

## Rabbit anti-Human DKK3 Polyclonal Antibody | anti-DKK3 antibody

DKK3 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA290305 | Rabbit | Human      | Western Blot, Immunohistochemistry |

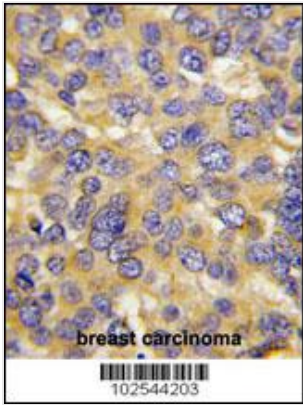
### PRODUCT SYNONYMS

DKK3; Polyclonal Antibody; DKK3 Antibody (N-term); Dickkopf-related protein 3; Dickkopf-3; Dkk-3; hDkk-3; REIC; anti-DKK3 antibody

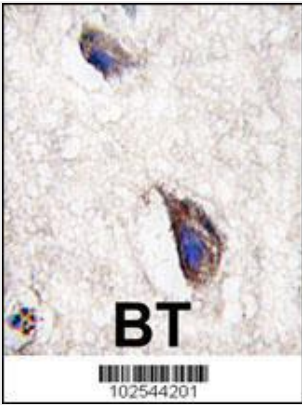
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Rabbit Ig                                                                                                                                                                    |
| Specificity                                    | This DKK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 15-45 amino acids from the N-terminal region of human DKK3.           |
| Purity/Purification                            | Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                                    |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                  | Vial Concentration: 0.45 (varies by lot)                                                                                                                                     |
| Sequence Positions                             | 15-45                                                                                                                                                                        |
| Sequence Length                                | 350                                                                                                                                                                          |
| Applicable Applications for anti-DKK3 antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                |
| Antigen Type                                   | Synthetic Peptide                                                                                                                                                            |
| Crown Antibody                                 | Yes                                                                                                                                                                          |
| Cellular Location                              | Secreted                                                                                                                                                                     |
| Tissue Location                                | Highest expression in heart, brain, and spinal cord.{ECO:0000295 PubMed:10570958, ECO:0000269 Ref.4}                                                                         |
| Antigen Source                                 | HUMAN                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

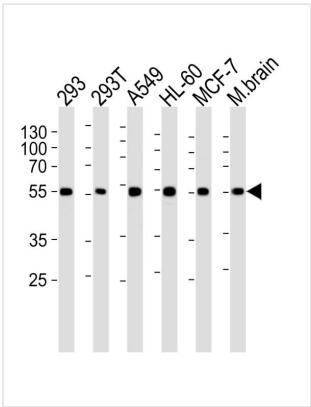
IMAGES



**IHC (Immunohistochemisry)**  
Formalin-fixed and paraffin-embedded human breast carcinoma tissue reacted with DKK3 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**IHC (Immunohiostchemistry)**  
Formalin-fixed and paraffin-embedded human brain tissue reacted with DKK3 antibody (N-term) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



**WB (Western Blot)**  
Western blot analysis of lysates from 293, 293T, A549, HL-60, MCF-7 cell line and mouse brain tissue lysate (from left to right), using DKK3 Antibody (A30). AAA290305 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DKK3 antibody | DKK3, like DKK1, DKK2, and DKK4, possesses an N-terminal signal peptide and 2 conserved cysteine-rich domains, which are separated by a linker region and contain 10 cysteine residues each. The second cysteine region has a putative lipid-binding function that may facilitate WNT/DKK interactions at the plasma membrane. The linker region contains 50 to 55 amino acids in DKK1, DKK2, and DKK4, whereas in DKK3 it contains only 12 amino acids. All DKKs have several potential sites for cleavage by furin-type proteases. Northern blot analysis revealed wide expression of the DKK3 transcript, with highest expression in heart, brain, and spinal cord. In situ hybridization reveals highest expression in mouse brain, eye, and heart. |
| Product Categories/Family for anti-DKK3 antibody   | Crown Antibodies; Cancer; Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| References                                         | Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003).<br>Tsuji, T., et al., Biochem. Biophys. Res. Commun. 268(1):20-24 (2000).<br>Krupnik, V.E., et al., Gene 238(2):301-313 (1999).<br>Kobayashi, K., et al., Gene 282 (1-2), 151-158 (2002).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|           |          |
|-----------|----------|
| NCBI GI # | 66346689 |
|-----------|----------|

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | <a href="#">27122</a>                                                                             |
| NCBI Accession #                 | <a href="#">NP_001018067.1</a> ; <a href="#">NP_037385.2</a> ; <a href="#">NP_056965.3</a>        |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001018057.1</a>                                                                    |
| UniProt Accession #              | <a href="#">Q9UBP4</a> ; <a href="#">Q9ULB7</a> ; <a href="#">A8K1I2</a> ; <a href="#">D3DQW1</a> |
| Molecular Weight                 | 38390                                                                                             |
| NCBI Official Full Name          | dickkopf-related protein 3                                                                        |
| NCBI Official Synonym Full Names | dickkopf WNT signaling pathway inhibitor 3                                                        |
| NCBI Official Symbol             | DKK3                                                                                              |
| NCBI Official Synonym Symbols    | RIG; REIC                                                                                         |
| NCBI Protein Information         | dickkopf-related protein 3                                                                        |
| UniProt Protein Name             | Dickkopf-related protein 3                                                                        |
| UniProt Gene Name                | <b>DKK3</b>                                                                                       |
| UniProt Synonym Gene Names       | REIC; Dickkopf-3; Dkk-3; hDkk-3                                                                   |
| UniProt Entry Name               | DKK3_HUMAN                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/dkk3-antibody-western-blot-immunohistochemistry-elisa/290305>