

## Rabbit DUSP6 Polyclonal Antibody | anti-DUSP6 antibody

DUSP6 Antibody (Center)

| CATALOG # | HOST   | REACTIVITY                           | APPLICATIONS                            |
|-----------|--------|--------------------------------------|-----------------------------------------|
| AAA290251 | Rabbit | Human (Predicted Reactivity: Bovine) | Western Blot, ELISA, Immunofluorescence |

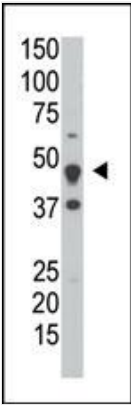
### PRODUCT SYNONYMS

DUSP6; Polyclonal Antibody; DUSP6 Antibody (Center); Dual specificity protein phosphatase 6; Dual specificity protein phosphatase PYST1; Mitogen-activated protein kinase phosphatase 3; MAP kinase phosphatase 3; MKP-3; MKP3; PYST1; anti-DUSP6 antibody

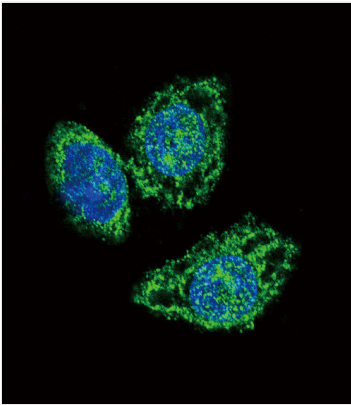
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                    |
| Reactivity                                      | Human (Predicted Reactivity: Bovine)                                                                                                                                                      |
| Clonality                                       | Polyclonal                                                                                                                                                                                |
| Isotype                                         | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                     | This DUSP6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-89 amino acids from the Central region of human DUSP6.                         |
| 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 prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Concentration                                   | Vial Concentration: 2 (varies by lot)                                                                                                                                                     |
| Sequence Positions                              | 58-89                                                                                                                                                                                     |
| Sequence Length                                 | 235                                                                                                                                                                                       |
| Applicable Applications for anti-DUSP6 antibody | WB (Western Blot), ELISA, IF (Immunofluorescence)                                                                                                                                         |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                                         |
| 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



**WB (Western Blot)**  
The anti-DUSP6 Pab is used in Western blot to detect DUSP6 in HeLa cell lysate.



**IF (Immunofluorescence)**  
Confocal immunofluorescent analysis of DUSP6 Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DUSP6 antibody | DUSP6 is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP)kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Two transcript variants encoding different isoforms have been found for the DUSP6 gene. |
| Product Categories/Family for anti-DUSP6 antibody   | Neuroscience                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| References                                          | Mod. Pathol. 18 (8), 1034-1042 (2005)<br>J. Hum. Genet. 50 (4), 159-167 (2005)<br>J. Biol. Chem. 279 (40), 41882-41891 (2004)<br>Biochemistry 42 (51), 15197-15207 (2003)<br>J. Biol. Chem. 271 (8), 4319-4326 (1996)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 42764683                                         |
| NCBI GeneID                      | 1848                                             |
| NCBI Accession #                 | NP_001937.2; NP_073143.2                         |
| NCBI GenBank Nucleotide #        | NM_001946.3                                      |
| UniProt Accession #              | Q16828; O75109; Q53Y75; Q9BSH6                   |
| Molecular Weight                 | 42320                                            |
| NCBI Official Full Name          | dual specificity protein phosphatase 6 isoform a |
| NCBI Official Synonym Full Names | dual specificity phosphatase 6                   |
| NCBI Official Symbol             | DUSP6                                            |
| NCBI Official Synonym Symbols    | HH19; MKP3; PYST1                                |

|                            |                                              |
|----------------------------|----------------------------------------------|
| NCBI Protein Information   | dual specificity protein phosphatase 6       |
| UniProt Protein Name       | Dual specificity protein phosphatase 6       |
| UniProt Gene Name          | <b>DUSP6</b>                                 |
| UniProt Synonym Gene Names | MKP3; PYST1; MAP kinase phosphatase 3; MKP-3 |
| UniProt Entry Name         | DUS6_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/dusp6-antibody-western-blot-immunofluorescence-elisa/290251>