

## Rabbit anti-Human CER1 Polyclonal Antibody | anti-CER1 antibody

CER1 Antibody (N-term)

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA287436 | Rabbit | Human      | Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot |

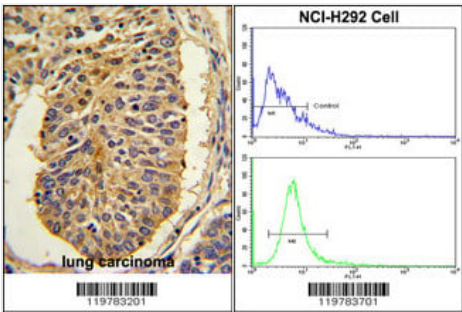
### PRODUCT SYNONYMS

CER1; Polyclonal Antibody; CER1 Antibody (N-term); Cerberus; Cerberus-related protein; DAN domain family member 4; DAND4; anti-CER1 antibody

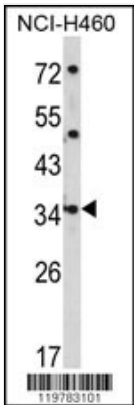
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                           |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                    |
| Reactivity                                     | Human                                                                                                                                                                                     |
| Clonality                                      | Polyclonal                                                                                                                                                                                |
| Isotype                                        | Rabbit Ig                                                                                                                                                                                 |
| Specificity                                    | This CER1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 56-85 amino acids from the N-terminal region of human CER1.                        |
| 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                             | 56-85                                                                                                                                                                                     |
| Sequence Length                                | 267                                                                                                                                                                                       |
| Applicable Applications for anti-CER1 antibody | FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)                                                                                                           |
| 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



**IHC (Immunohistochemistry)**  
LEFT)Formalin-fixed and paraffin-embedded human lung carcinoma with CER1 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.(RIGHT)Flow cytometric analysis of NCI-H292 cells using 0.025mg/ml of CER1 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



**WB (Western Blot)**  
Western blot analysis of CER1 Antibody (N-term) in NCI-H460 cell line lysates (35ug/lane). CER1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CER1 antibody | CER1 is a cytokine member of the cysteine knot superfamily, characterized by nine conserved cysteines and a cysteine knot region. The cerberus-related cytokines, together with Dan and DRM/Gremlin, represent a group of bone morphogenetic protein (BMP) antagonists that can bind directly to BMPs and inhibit their activity. |
| Product Categories/Family for anti-CER1 antibody   | Developmental Biology; Metabolism                                                                                                                                                                                                                                                                                                 |
| References                                         | Tang,P.L., et.al., J. Bone Miner. Res. 24 (6), 1013-1021 (2009)<br>Swinkels,M.E., et.al., Am. J. Med. Genet. A 146A (11), 1430-1438 (2008)                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                        |
|----------------------------------|----------------------------------------|
| NCBI GI #                        | 4885135                                |
| NCBI GeneID                      | 9350                                   |
| NCBI Accession #                 | NP_005445.1                            |
| NCBI GenBank Nucleotide #        | NM_005454.2                            |
| UniProt Accession #              | O95813; Q6ISJ1; Q6ISJ6; Q6ISQ2; Q6ISS1 |
| Molecular Weight                 | 30084                                  |
| NCBI Official Full Name          | cerberus                               |
| NCBI Official Synonym Full Names | cerberus 1, DAN family BMP antagonist  |
| NCBI Official Symbol             | CER1                                   |
| NCBI Official Synonym Symbols    | DAND4                                  |
| NCBI Protein Information         | cerberus                               |
| UniProt Protein Name             | Cerberus                               |
| UniProt Gene Name                | CER1                                   |
| UniProt Synonym Gene Names       | DAND4                                  |
| UniProt Entry Name               | CER1_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/cer1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/287436>