

## Mouse anti-Human ErbB-3 Monoclonal Antibody | anti-ErbB-3 antibody

ErbB-3 Monoclonal Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                  |
|-----------|-------|------------|---------------------------------------------------------------|
| AAA320057 | Mouse | Human      | ELISA, Immunofluorescence, Immunohistochemistry, Western Blot |

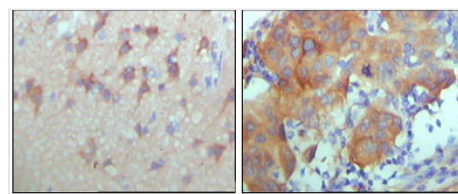
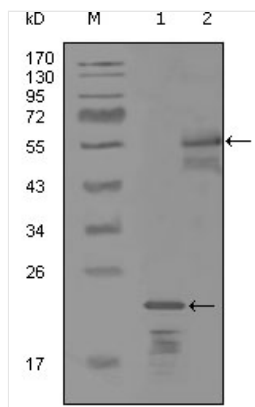
### PRODUCT SYNONYMS

ErbB-3; Monoclonal Antibody; ErbB-3 Monoclonal Antibody; Receptor tyrosine-protein kinase erbB-3; ERBB3; HER3; Proto-oncogene-like protein c-ErbB-3; Tyrosine kinase-type cell surface receptor HER3; anti-ErbB-3 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                               |
|--------------------------------------------------|-------------------------------------------------------------------------------|
| Host                                             | Mouse                                                                         |
| Reactivity                                       | Human                                                                         |
| Clonality                                        | Monoclonal                                                                    |
| Specificity                                      | ErbB-3 Monoclonal Antibody detects endogenous levels of ErbB-3 protein.       |
| Purity/Purification                              | Affinity purification                                                         |
| Form/Format                                      | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.       |
| Applicable Applications for anti-ErbB-3 antibody | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| Immunogen                                        | Purified recombinant fragment of ErbB-3 (aa1175-1275) expressed in E coli.    |
| Modification                                     | Unmodified/Total                                                              |
| Preparation and Storage                          | Store at -20 degree C/1 year                                                  |

### IMAGES



#### WB (Western Blot)

Western Blot analysis using ErbB-3 Monoclonal Antibody against truncated Trx-ErbB-3 recombinant protein (1) and MBP-ErbB-3 (aa1175-1275) recombinant protein (2).

#### IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human cerebra (left) and breast carcinoma tissue (right). showing cytoplasmic and membrane location with DAB staining using ErbB-3 Monoclonal Antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ErbB-3 antibody | This gene encodes a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers with other EGF receptor family members which do have kinase activity. Heterodimerization leads to the activation of pathways which lead to cell proliferation or differentiation. Amplification of this gene and/or overexpression of its protein have been reported in numerous cancers, including prostate, bladder, and breast tumors. Alternate transcriptional splice variants encoding different isoforms have been characterized. One isoform lacks the intermembrane region and is secreted outside the cell. This form acts to modulate the activity of the m |
| Product Categories/Family for anti-ErbB-3 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 54792102                                                                                                                       |
| NCBI GeneID                      | 2065                                                                                                                           |
| NCBI Accession #                 | NP_001005915.1                                                                                                                 |
| NCBI GenBank Nucleotide #        | NM_001005915.1                                                                                                                 |
| UniProt Accession #              | P21860; Q9BUD7; A8K6L6; B4DIK7; B4DV32; E9PDT8                                                                                 |
| Molecular Weight                 | 148,098 Da                                                                                                                     |
| NCBI Official Full Name          | receptor tyrosine-protein kinase erbB-3 isoform s                                                                              |
| NCBI Official Synonym Full Names | v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)                                                              |
| NCBI Official Symbol             | ERBB3                                                                                                                          |
| NCBI Official Synonym Symbols    | HER3; LCCS2; ErbB-3; c-erbB3; erbB3-S; MDA-BF-1; c-erbB-3; p180-ErbB3; p45-sErbB3; p85-sErbB3                                  |
| NCBI Protein Information         | receptor tyrosine-protein kinase erbB-3; proto-oncogene-like protein c-ErbB-3; tyrosine kinase-type cell surface receptor HER3 |
| UniProt Protein Name             | Receptor tyrosine-protein kinase erbB-3                                                                                        |
| UniProt Gene Name                | ERBB3                                                                                                                          |
| UniProt Synonym Gene Names       | HER3                                                                                                                           |
| UniProt Entry Name               | ERBB3_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://stage.aaabiotech.com/monoclonal/erbb-3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/320057>