

## Mouse anti-Human ERBB3 Antibody | anti-ERBB3 antibody

ERBB3 Antibody

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                            |
|-----------|-------|------------|-----------------------------------------|
| AAA108558 | Mouse | Human      | ELISA, Immunofluorescence, Western Blot |

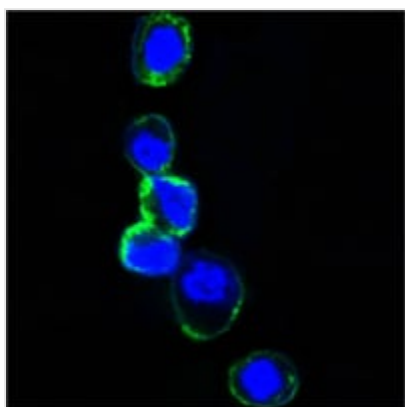
### PRODUCT SYNONYMS

ERBB3; ERBB3 Antibody; HER3; c-erbB3; anti-ERBB3 antibody

### PRODUCT SPECIFICATIONS

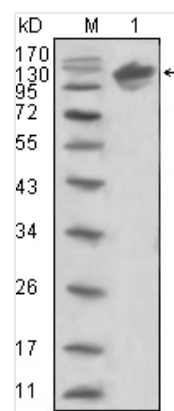
|                                                 |                                                                                                                        |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                  |
| Reactivity                                      | Human                                                                                                                  |
| Isotype                                         | IgG1                                                                                                                   |
| Clone Number                                    | 2F9                                                                                                                    |
| Form/Format                                     | Ascitic fluid containing 0.03% sodium azide.                                                                           |
| Sequence Length                                 | 183                                                                                                                    |
| Applicable Applications for anti-ERBB3 antibody | ELISA, IF (Immunofluorescence), WB (Western Blot)                                                                      |
| Immunogen                                       | Purified recombinant extracellular fragment of human ERBB3 (aa22-369) fused with hlgGfc tag expressed in HEK293 cells. |
| Preparation and Storage                         | Store at 4 degree C, for long term storage, store at -20 degree C                                                      |

### IMAGES



**IF (Immunofluorescence)**

Figure 2. Confocal immunofluorescence analysis of HEK293 cells transfected with extracellular ERBB3 (aa22-369)-hlgGfc using ERBB3 mouse mAb (green). Blue. DRAQ5 fluorescent DNA dye.



**WB (Western Blot)**

Figure 1. Western blot analysis using ERBB3 mouse mAb against human ERBB3 (aa22-369)-hlgGfc transfected HEK293 cell lysate (1).

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ERBB3 antibody | ERBB3, v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian). It is 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 membrane-bound form. Additional splice variants have also been reported, but they have not been thoroughly characterized. |
| Product Categories/Family for anti-ERBB3 antibody   | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## 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                 | 148kDa                                                                                        |
| NCBI Official Full Name          | receptor tyrosine-protein kinase erbB-3 isoform s                                             |
| NCBI Official Synonym Full Names | erb-b2 receptor tyrosine kinase 3                                                             |
| 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                                                       |
| UniProt Protein Name             | Receptor tyrosine-protein kinase erbB-3                                                       |
| UniProt Gene Name                | <b>ERBB3</b>                                                                                  |
| UniProt Synonym Gene Names       | HER3                                                                                          |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/erbb3/108558>