

## Rabbit anti-Human Phospho-ERBB3 (Y1289) Polyclonal Antibody | anti-ERBB3 antibody

Phospho-ERBB3 (Y1289) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                  |
|-----------|--------|------------|-------------------------------|
| AAA289231 | Rabbit | Human      | ELISA, Dot Blot, Western Blot |

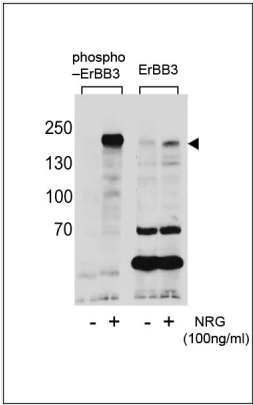
### PRODUCT SYNONYMS

Phospho-ERBB3 (Y1289); Polyclonal Antibody; Phospho-ERBB3 (Y1289) Antibody; Receptor tyrosine-protein kinase erbB-3; Proto-oncogene-like protein c-ErbB-3; Tyrosine kinase-type cell surface receptor HER3; ERBB3; HER3; anti-ERBB3 antibody

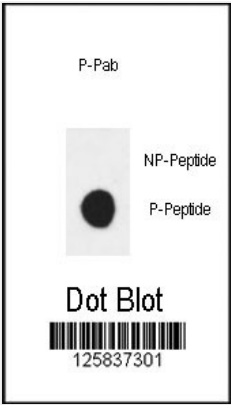
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                               |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                        |
| Reactivity                                      | Human                                                                                                                                                                         |
| Clonality                                       | Polyclonal                                                                                                                                                                    |
| Isotype                                         | Rabbit Ig                                                                                                                                                                     |
| Specificity                                     | This ERBB3 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1289 of human ERBB3. |
| Purity/Purification                             | Peptide Affinity 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: 0.5 (varies by lot)                                                                                                                                       |
| Sequence Length                                 | 183                                                                                                                                                                           |
| Applicable Applications for anti-ERBB3 antibody | ELISA, DB (Dot Blot), WB (Western Blot)                                                                                                                                       |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                             |
| Crown Antibody                                  | Yes                                                                                                                                                                           |
| 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)**  
Western blot analysis of extracts from T47D cells, untreated or treated with NRG using Phospho-ErBB3(Tyr1289)(left) or ErBB3 antibody(right).



**DB (Dot Blot)**  
Dot blot analysis of anti-Phospho-ERBB3 (Tyr1289) Antibody Phospho-specific Pab on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ERBB3 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 membrane-bound form. |
| Product Categories/Family for anti-ERBB3 antibody   | Crown Antibodies; Cancer; Cell Biology; Metabolism; Amyotrophic Lateral Sclerosis (ALS)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| References                                          | Huang, X., et al. Cancer Res. 70(3):1204-1214(2010)<br>Pierce, B.L., et al. Hum. Hered. 69(3):193-201(2010)<br>Li, D., et al. World J. Biol. Psychiatry 10 (4 PT 2), 595-598 (2009)<br>Carr, E.J., et al. BMC Med. Genet. 10, 121 (2009)<br>Zhang, Y., et al. BMC Cell Biol. 10, 78 (2009)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------|
| NCBI GI #                        | 54792102                                                                                      |
| NCBI GeneID                      | 2065                                                                                          |
| NCBI Accession #                 | NP_001005915.1; NP_001973.2                                                                   |
| NCBI GenBank Nucleotide #        | NM_001005915.1                                                                                |
| UniProt Accession #              | P21860; Q9BUD7; A8K6L6; B4DIK7; B4DV32; E9PDT8                                                |
| Molecular Weight                 | 148098                                                                                        |
| 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          | 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/polyclonal/phospho-erb3-y1289-antibody-dot-blot-western-blot-elisa/289231>