

ErbB3 (HER3) Antibody

Rabbit mAb Catalog # AP90313

Product Information

Application WB, IP
Primary Accession P21860
Reactivity Rat, Human
Clonality Monoclonal

Other Names ERB3, ERBB3, HER3, c-erbB3, kinase ErbB3

IsotypeRabbit IgGHostRabbitCalculated MW148098

Additional Information

Dilution WB 1:500~1:2000 IP 1:30 **Purification** Affinity-chromatography

Immunogen A synthesized peptide derived from human ErbB3 (HER3)

DescriptionThis 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.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium

azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term.

Avoid freeze / thaw cycle.

Protein Information

Name ERBB3

Synonyms HER3

Function Tyrosine-protein kinase that plays an essential role as cell surface receptor

for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it;

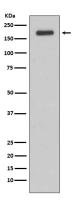
ligand-binding increases phosphorylation on tyrosine residues and promotes

its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed: 20682778). May also be activated by CSPG5 (PubMed: 15358134). Involved in the regulation of myeloid cell differentiation (PubMed: 27416908).

Cellular Location [Isoform 1]: Cell membrane; Single-pass type I membrane protein

Tissue Location Epithelial tissues and brain.

Images



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