

Product Name: ErbB3 (HER3) (15E6) Rabbit Monoclonal Antibody
Catalog #: AMRe10569

Summary

Production Name	ErbB3 (HER3) (15E6) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	ERBB3
Alternative Names	ERB3, ERBB3, HER3, c-erbB3, kinase ErbB3
Gene ID	2065.0
SwissProt ID	P21860.A synthetic peptide of human ErbB 3

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	148kDa

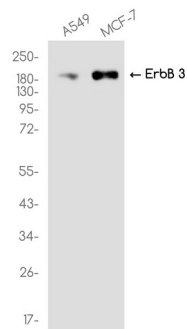
Background

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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. 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).

Research Area

Image Data



Western blot detection of ErbB 3 in A549, MCF-7 cell lysates using ErbB 3 antibody (1:1000 diluted).

Note

For research use only.