

Summary

Production Name	ERBB3 Mouse Monoclonal Antibody
Description	Mouse Monoclonal Antibody
Host	Mouse
Application	ICC,ELISA
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Immunogen

Gene Name	ERBB3
Alternative Names	HER3; c-erbB3
Gene ID	2065.0
SwissProt ID	P21860.Purified recombinant extracellular fragment of human ERBB3 (aa22-369) fused with hIgGFc tag expressed in HEK293 cells.

Application

Dilution Ratio	ICC:1:200-1:1000,ELISA:1:10000
Molecular Weight	148kDa

Background

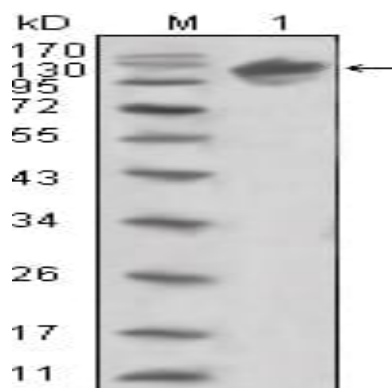
Product Name: ERBB3 Mouse Monoclonal Antibody
Catalog #: AMM80758



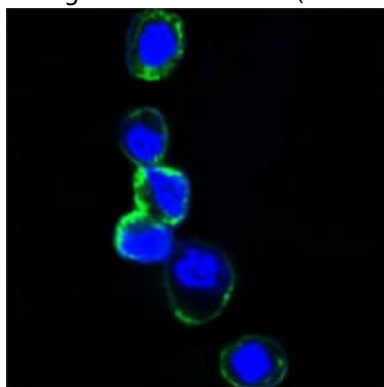
ERBB3, v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian). It is a member of the epidermal growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but 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.

Research Area

Image Data



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



Confocal Immunofluorescence analysis of HEK293 cells trasfected with extracellular ERBB3 (aa22-369)-hlgGfc using ERBB3 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.

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Note

For research use only.