

Product Name: MRE11 Mouse Monoclonal Antibody
Catalog #: AMM80676



Summary

Production Name	MRE11 Mouse Monoclonal Antibody
Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC,ELISA,FC
Reactivity	Human, Mouse, Rat, Rabbit

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; LCCS2
Gene ID	2065.0
SwissProt ID	P21860.Purified recombinant fragment of ERBB3 (aa1175-1275) expressed in E. Coli.

Application

Dilution Ratio	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	/

Background

ERBB3: v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian). This gene encodes a member of the epidermal

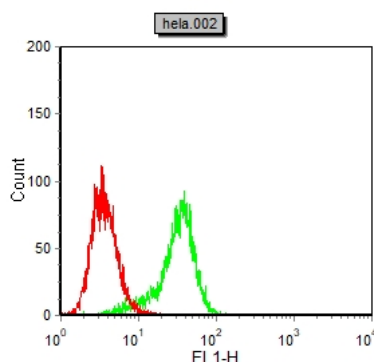
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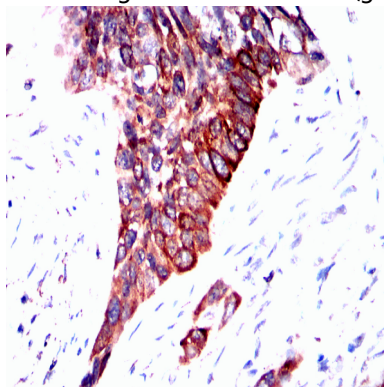
growth factor receptor (EGFR) family of receptor tyrosine kinases. This membrane-bound protein has a neuregulin binding domain but not an active kinase domain. It therefore can bind this ligand but not convey the signal into the cell through protein phosphorylation. However, it does form heterodimers 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

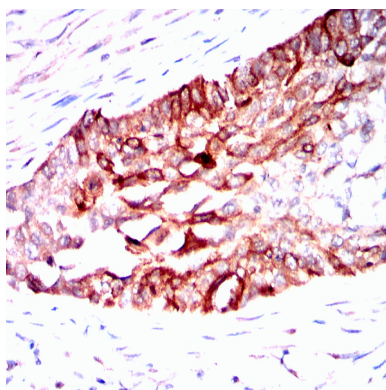


Flow cytometric analysis of Hela cells using ERBB3 mouse mAb (green) and negative control (red).

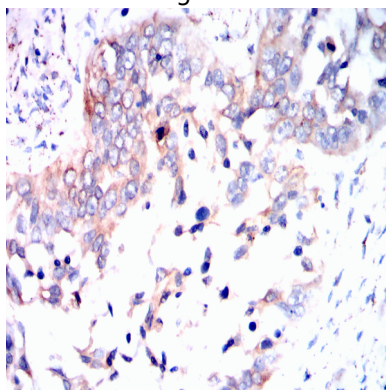


Immunohistochemical analysis of paraffin-embedded lung cancer tissues using ERBB3 mouse mAb with DAB staining.

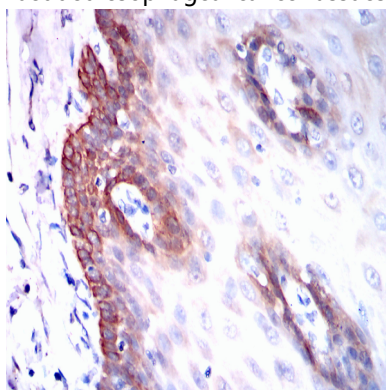
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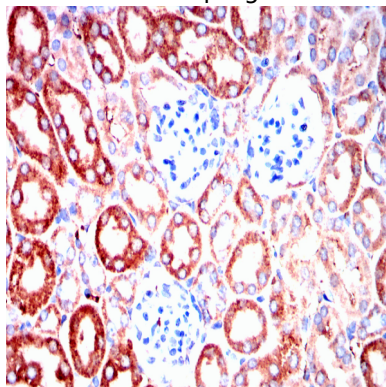
Immunohistochemical analysis of paraffin-embedded lung cancer tissues using ERBB3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded esophageal cancer tissues using ERBB3 mouse mAb with DAB staining.



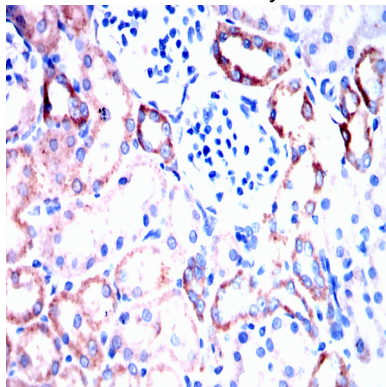
Immunohistochemical analysis of paraffin-embedded esophagus tissues using *** mouse mAb with DAB staining.



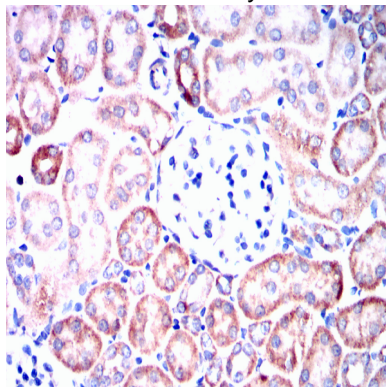
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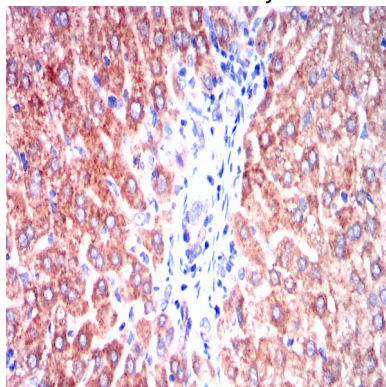
Immunohistochemical analysis of paraffin-embedded mouse kidney tissues using ERBB3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rat kidney tissues using ERBB3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rabbit kidney tissues using ERBB3 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded rabbit liver tissues using ERBB3 mouse mAb with DAB staining.

Note

For research use only.