Product Name: **Her-2 Mouse Monoclonal Antibody**
Catalog #: **AMM22127**
For research use only.

Summary

Description	Mouse Monoclonal Antibody
Host	Mouse
Application	IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG2a,Kappa
Clonality	Monoclonal
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Purification	The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen.

Application

Dilution Ratio	IHC 1:200-400;ELISA 1:500-5000
Molecular Weight	Calculated MW:137kDa,Observed MW:180kDa

Antigen Information

Gene Name	ERBB2 HER2 MLN19 NEU NGL
Alternative Names	Receptor tyrosine-protein kinase erbB-2;Metastatic lymph node gene 19 protein;MLN 19;Proto-oncogene Neu;Proto-oncogene c-ErbB-2;Tyrosine kinase-type cell surface receptor HER2;p185erbB2;CD antigen CD340;
Gene ID	Human:2064
SwissProt ID	Human:P04626
Immunogen	Synthesized peptide derived from human Her-2 AA range: 300-400

Background

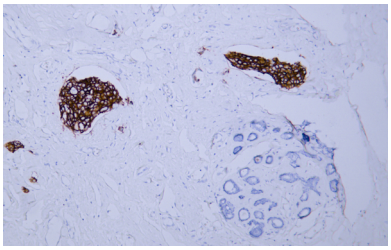
This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has

no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding d

Research Area

Pathology

Image Data



Human breast carcinoma tissue was stained with Anti-Her-2 Antibody