

Summary

Production Name	ErbB 2 Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB, IHC-P, ICC/IF, FC, IP
Reactivity	Human,Mouse,Rat

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% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	ErbB 2
Alternative Names	NEU; NGL; HER2; TKR1; CD340; HER-2; MLN 19; HER-2/neu
Gene ID	2064
SwissProt ID	P04626.

Application

Dilution Ratio	WB: 1:1000 IHC-P: 1:500-1:2000 ICC/IF: 1:100-1:200 FC: 1:50-1:100 IP: 1:20-1:50
Molecular Weight	Calculated MW:138 kDa; Observed MW:185 kDa

Background

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

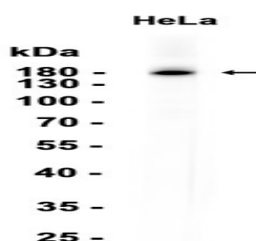
Product Name: ErbB 2 Rabbit Monoclonal Antibody
Catalog #: AMRe86308



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 different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]

Research Area

Image Data



Western blot analysis of extracts from HeLa cells using AMRe86308 at 1:1000.

Note

For research use only.