

ERBB2 Polyclonal Antibody

catalog number: E-AB-70195

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse ErbB2
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications

Recommended Dilution

WB	1:500-1:2000
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Data



Western Blot analysis of various samples using ERBB2

Polyclonal Antibody at dilution of 1:1000.

Observed-MW:185 kDa

Calculated-MW:138 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

HER2,also known as ErbB2 and Neu,is a 185-kDa transmembrane glycoprotein that is a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. It 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. Amplification and/or overexpression of HER2 have been reported in numerous cancers,including breast and ovarian tumors. HER2 is a therapeutic target for the treatment of breast cancer and other carcinomas.

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