

(KO Validated) HER2/ErbB2 Polyclonal Antibody

catalog number: E-AB-93336

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

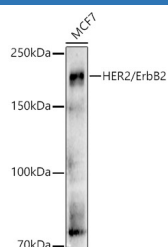
Description

Reactivity	Human
Immunogen	A synthetic peptide of human HER2/ErbB2
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

WB	1:500-1:2000
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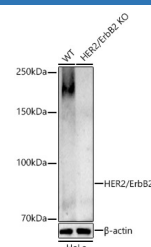
Data



Western blot analysis of MCF7 using HER2/ErbB2 Polyclonal Antibody at 1:500 dilution.

Observed-MV:185 kDa

Calculated-MV:62 kDa/70 kDa/97 kDa/134 kDa/136 kDa/137 kDa



Western blot analysis of extracts from wild type (WT) and HER2/ErbB2 knockout (KO) HeLa cells using HER2/ErbB2 Polyclonal Antibody at 1:500 dilution.

Observed-MV:185 kDa

Calculated-MV:62 kDa/70 kDa/97 kDa/134 kDa/136 kDa/137 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

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 different isoforms and others that have not been fully characterized.

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