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# Phospho-HER2/ErbB2-Y1248 Rabbit pAb

**Catalog No.: AP0152**  **2 Publications**

## Basic Information

**Observed MW**
190kDa

**Calculated MW**
138kDa

**Category**
Polyclonal Antibody

**Applications**
WB

**Cross-Reactivity**
Human

## 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.

## Recommended Dilutions

**WB**                1:500 - 1:2000

## Immunogen Information

**Gene ID**                          **Swiss Prot**
2064                                 P04626

**Immunogen**
A phospho specific peptide corresponding to residues surrounding Y1248 of human HER2/ERBB2

**Synonyms**
NEU; NGL; HER2; TKR1; CD340; HER-2; VSCN2; MLN 19; MLN-19; c-ERB2; c-ERB-2; HER-2/neu; p185(erbB2); Phospho-HER2/ErbB2-Y1248

## Contact

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## Product Information

**Source**            **Isotype**           **Purification**
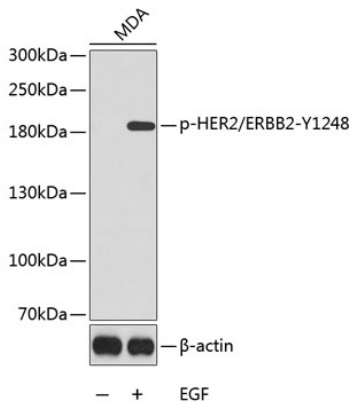Rabbit                IgG                   Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

# Validation Data



Western blot analysis of extracts from MDA cells using Phospho-HER2/ErbB2-Y1248 antibody (AP0152).
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% BSA.