Leader in Biomolecular Solutions for Life Science

Phospho-ErbB4/HER4-Y1284 Rabbit pAb

Catalog No.: AP0034

1 Publications

www.abclonal.com

Basic Information

Observed MW
180kDa

Calculated MW
147kDa

Category
Polyclonal Antibodies

Applications
WB, ELISA

Cross Reactivity
Human

Background

This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphotidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized.

Recommended Dilutions

WB	1:500 - 1:1000

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
2066

Swiss-Prot
Q15303

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
HER4; ALS19; p180erbB4; Phospho-ErbB4/HER4-Y1284

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

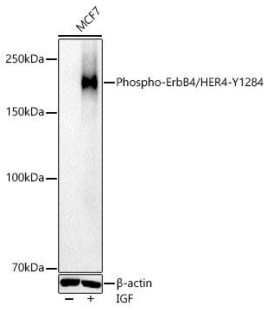
Source
Rabbit

Isotype
IgG

Purity
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from MCF7 cells using Phospho-ErbB4/HER4-Y1284 Rabbit pAb (AP0034) at 1:700 dilution. MCF7 cells were treated with IGF (200 ng/ml) at 37℃ for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 20 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.