

## ERBB4

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**Reactivity:**Human Mouse Rat

**Tested applications:**WB IHC

**Recommended Dilution:**WB 1:500 - 1:2000 IHC 1:50 - 1:100

**Calculated MW:**147kDa

**Observed MW:**Refer to figures

**Immunogen:**

A synthetic Peptide of human ERBB4

**Storage Buffer:**

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

**Synonym:**

HER4; ALS19; p180erbB4;

**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 phosphatidylinositol-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.

**To place an order, please [Click HERE](#).**

**Catalog #:**A6133

**Antibody Type:**

Polyclonal Antibody

**Species:**Rabbit

**Gene ID:**2066

**Isotype:**IgG

**Swiss Prot:**Q15303

**Purity:**Affinity purification

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