

Product name:	HER4 / ERBB4
Cat number:	AB-81617
Conjugate:	Unconjugated
Size:	100 ug
Clone:	POLY
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 26-160 of human ErbB4/HER4/HER4.
Reactivity:	Hu, Ms, Rt
Applications:	WB: 1:500 - 1:1000 IHC: 1:50 - 1:100 IF: 1:50 - 1:100
Molecular Weight:	180kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles
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.



Western blot analysis of extracts of mouse brain, using ErbB4/HER4/HER4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus.
Exposure time: 10s.



Immunohistochemistry of paraffin embedded human placenta using ErbB4/HER4/HER4 Rabbit pAb at dilution of 1:100 (40x lens).



Immunofluorescence analysis of C6 cells using ErbB4/HER4/HER4 Rabbit pAb at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.