

| | |
|--------------------------|---|
| Cat. No: | 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. |
| Synonyms: | ALS19;HER4;p180erbB4;ERBB4;HER4/ErbB4 |
| Background: | <p>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.</p> |
| Form: | Liquid |
| Buffer: | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage: | Store at -20°C. Avoid freeze / thaw cycles |



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.

**For Research use only
IMMUNOLOGICAL SCIENCES**