

ErbB-4 rabbit pAb**Cat#: orb768032 (Manual)**

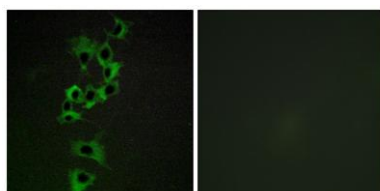
For research use only. Not intended for diagnostic use.

Product Name	ErbB-4 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000, WB 1:500-2000
Immunogen	The antiserum was produced against synthesized peptide derived from human HER4. AA range:1250-1299
Specificity	ErbB-4 Polyclonal Antibody detects endogenous levels of ErbB-4 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Receptor tyrosine-protein kinase erbB-4
Gene Name	ERBB4,HER4
Cellular localization	Cell membrane ; Single-pass type I membrane protein . In response to NRG1 treatment, the activated receptor is internalized.; [ERBB4 intracellular domain]; Nucleus . Mitochondrion . Following proteolytical processing E4ICD (E4ICD1 or E4ICD2 generated from
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

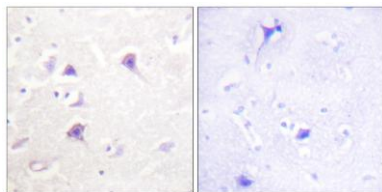
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	2066
Human Swiss-Prot Number	Q15303
Alternative Names	ERBB4; HER4; Receptor tyrosine-protein kinase erbB-4; Proto-oncogene-like protein c-ErbB-4; Tyrosine kinase-type cell surface receptor HER4; p180erbB4

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. [provided by RefSeq, Jul 2008],



Immunofluorescence analysis of HepG2 cells, using HER4 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using HER4 Antibody. The picture on the right is blocked with the synthesized peptide.