Data Sheet (Cat.No.TMAC-01812)

Anti-Phospho-HER4/ERBB4 (Tyr1284) Polyclonal Antibody

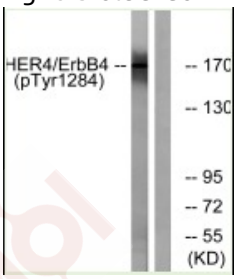
Product Details

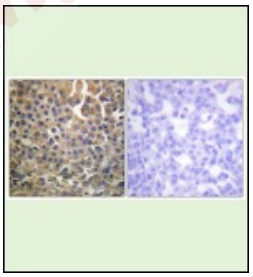
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Actual: 180 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

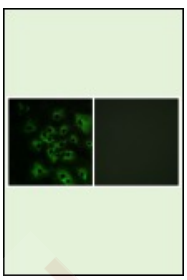
Applications

Verified Activity:

1. Western blot analysis of lysates from HUVEC cells treated with EGF 200ng/ml 30'. The lane on the right is blocked with the phospho peptide.
2. Immunohistochemistry analysis of paraffin-embedded human breast carcinoma. The picture on the right is blocked with the phospho peptide.
3. Immunofluorescence analysis of HeLa cells treated with EGF 200nM 5'. The picture on the right is blocked with the phospho peptide.







Application:	IF,IHC,WB
Recommended	WB: 1:500-2000; IHC: 1:100-300; IF: 1:200-1000;

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human HER4 around the phosphorylation site of Tyr1284
Antigen Species:	Human
Uniprot ID:	Q15303
Synonyms:	p-HER4/ERBB4 (Y1284);HER4/ERBB4 (p-Y1284);HER4/ERBB4 (p-Tyr1284);p-HER4/ERBB4 (Tyr1284)

Research 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. [provided by RefSeq, Jul 2008],

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481