ErbB-3 (Phospho Tyr1289) Rabbit pAb

CatalogNo: YP1182

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,IHC,IF,ELISA

MW	Isotype
• 185kD (Observed)	• IgG

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-1:2000
IHC 1:100-1:300
IF 1:200-1:1000
ELISA 1:10000
Not yet tested in other applications.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	The antiserum was produced against synthesized peptide derived from human HER3 around the phosphorylation site of Tyr1289. AA range:1256-1305

Specificity Phospho-ErbB-3 (Y1289) Polyclonal Antibody detects endogenous levels of ErbB-3 protein only when phosphorylated at Y1289.The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):QGyEE

Target Information

Gene name ERBB3

Protein Name Receptor tyrosine-protein kinase erbB-3

Organism	Gene ID	UniProt ID
Human	2065;	P21860;
Mouse	13867;	Q61526;
Rat	29496;	Q62799;

Cellular Localization [Isoform 1]: Cell membrane ; Single-pass type I membrane protein.; [Isoform 2]: Secreted.

Tissue specificity Epithelial tissues and brain.

Function Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,Disease:Defects in ERBB3 are the cause of lethal congenital contracture syndrome type 2 (LCCS2) [MIM:607598]; also called Israeli Bedouin multiple contracture syndrome type A. LCCS2 is an autosomal recessive neurogenic form of a neonatally lethal arthrogryposis that is associated with atrophy of the anterior horn of the spinal cord. The LCCS2 syndrome is characterized by multiple joint contractures, anterior horn atrophy in the spinal cord, and a unique feature of a markedly distended urinary bladder. The phenotype suggests a spinal cord neuropathic etiology.,Disease:Overexpressed in a subset of human mammary tumors.,Domain:The cytoplasmic part of the receptor may interact with the SH2 or SH3 domains of many signal-transducing proteins.,Function:Binds and is activated by neuregulins and NTAK.,PTM:Ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. EGF receptor subfamily.,similarity:Contains 1 protein kinase domain.,subunit:Heterodimer with each of the other ERBB receptors (Potential). Interacts with CSPG5, PA2G4 and MUC1.,tissue specificity:Epithelial tissues and brain.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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