ErbB-3 (Phospho Tyr1289) (PT0990R) PT® Rabbit mAb

CatalogNo: YM8772 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,IP,ELISA

MW
- 148kD (Calculated)
185kD (Observed)

Isotype
- IgG, Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality	Monoclonal
Clone Number	PT0990R

Immunogen Information

Specificity	Phospho-ErbB-3 (Y1289) Monoclonal 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

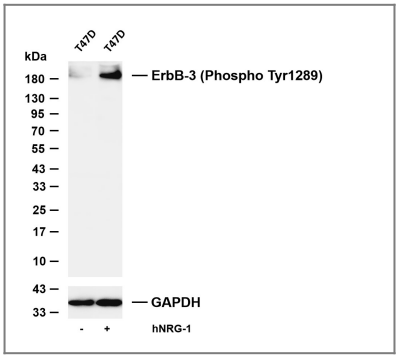
Organism	Gene ID	UniProt ID
Human	2065;	P21860;
Mouse	13867;	Q61526;
Rat	29496;	Q62799;

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

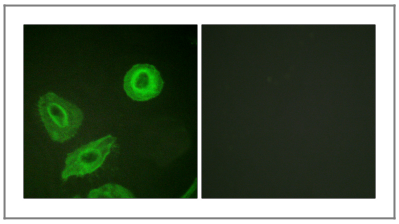
Tissue specificity Epithelial tissues and brain.

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



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ErbB-3 (Phospho Tyr1289) (PT0990R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: T47D Lane 2: T47D was treated with hNRG-1(100ng/ml) for 15 minutes Predicted band size: 148kDa Observed band size: 185kDa



Immunofluorescence analysis of HeLa cells, using HER3 (Phospho-Tyr1289) Antibody. The picture on the right is blocked with the phospho peptide.

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
ErbB-3 (Phospho Tyr1289) (PT0990R) PT® Rabbit mAb