ErbB-3 (PT0593R) PT™ Rabbit mAb

CatalogNo: YM8404 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IF,ELISA

MW
- 148kD (Calculated)

185kD (Observed)

Isotype
- IgG,Kappa

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

Recommended Dilution Ratios

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

Basic Information

Clonality	Monoclonal
Clone Number	PT0593R

Immunogen Information

Specificity	Endogenous

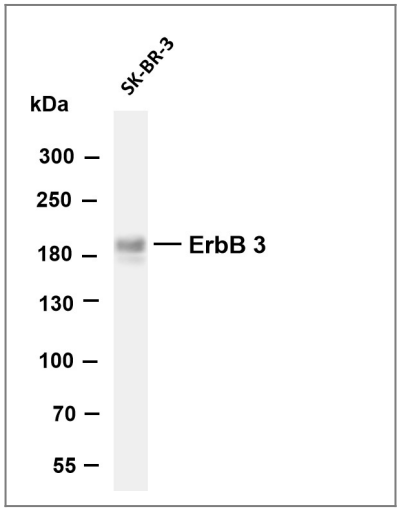
Target Information

Gene name	ERBB3,HER3
Protein Name	Receptor tyrosine-protein kinase erbB-3

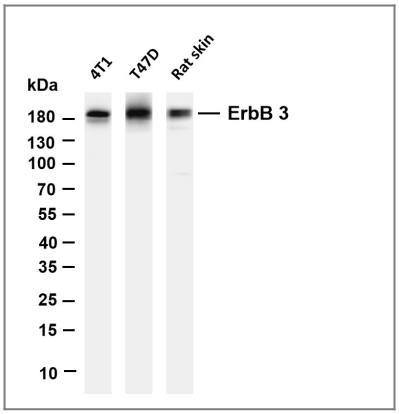
Organism	Gene ID	UniProt ID
Human	2065;	P21860;
Mouse	13867;	Q61526;
Rat	29496;	Q62799;

Cellular Localization	Membrane
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.,

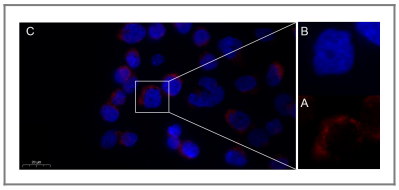
Validation Data



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-ErbB-3 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: SK-BR-3 Predicted band size: 148kDa Observed band size: 185kDa



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-ErbB-3 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: 4T1 Lane 2: T47D Lane 3: Rat skin Predicted band size: 148kDa Observed band size: 185kDa



Immunofluorescence analysis of A431 cell. 1,primary Antibody was diluted at 1:200(4～C overnight). 2, Goat Anti Rabbit IgG (H&L) - AFluor 594 Secondary antibody(catalog No: RS3611) was diluted at 1:500(room temperature, 50min).

Contact information

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Please scan the QR code to access additional product information:
ErbB-3 (PT0593R) PT™ Rabbit mAb