

## ErbB-3 (PT0593R) PT® Rabbit mAb

CatalogNo: YM8404 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat,

#### Applications

- WB, IF, IP, ELISA

#### MW

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

#### Isotype

- IgG, Kappa

### Recommended Dilution Ratios

**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** PT0593R

### Immunogen Information

**Specificity** Endogenous

### Target Information

**Gene name** ERBB3,HER3

**Protein Name** Receptor tyrosine-protein kinase erbB-3

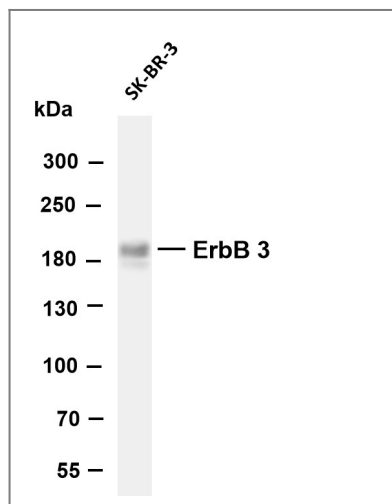
Organism	Gene ID	UniProt ID
Human	<a href="#">2065</a> ;	<a href="#">P21860</a> ;
Mouse	<a href="#">13867</a> ;	<a href="#">Q61526</a> ;
Rat	<a href="#">29496</a> ;	<a href="#">Q62799</a> ;

**Cellular Localization** Membrane

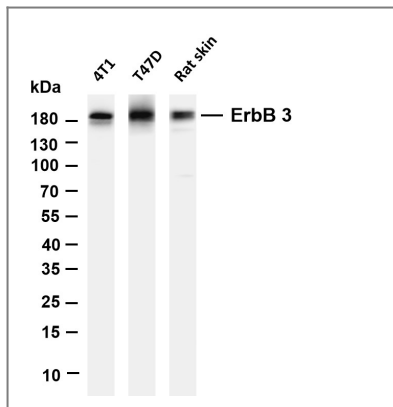
**Tissue specificity** Epithelial tissues and brain.

**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 arthrogyrosis 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

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
 Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
 Telephone: 877-594-3616 (Toll Free), 408-747-0185  
 Website: <http://www.immunoway.com>  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)