

#### Anti-ERBB3 / HER3 Reference Antibody (patritumab) Recombinant Antibody Catalog # APR10047

### **Specification**

## Anti-ERBB3 / HER3 Reference Antibody (patritumab) - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW FC, Kinetics, Animal Model <u>P21860</u> Rat, Human Monoclonal IgG1 146.86 KDa

### Anti-ERBB3 / HER3 Reference Antibody (patritumab) - Additional Information

Target/Specificity ERBB3 / HER3

**Endotoxin** < 0.001EU/ μg,determined by LAL method.

Conjugation Unconjugated

Expression system CHO Cell

Format

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

### Anti-ERBB3 / HER3 Reference Antibody (patritumab) - Protein Information

Name ERBB3

Synonyms HER3

Function

Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed:<a href="http://www.uniprot.org/citations/20682778" target="\_blank">20682778</a>). May also be activated by CSPG5 (PubMed:<a href="http://www.uniprot.org/citations/15358134" target="\_blank">15358134</a>). Involved in the regulation of myeloid cell differentiation (PubMed:<a href="http://www.uniprot.org/citations/27416908" target="\_blank">27416908</a>).

**Cellular Location** 

[Isoform 1]: Cell membrane; Single-pass type I membrane protein



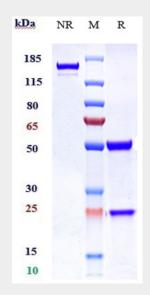
**Tissue Location** Epithelial tissues and brain.

# Anti-ERBB3 / HER3 Reference Antibody (patritumab) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- <u>Flow Cytomety</u>
- <u>Cell Culture</u>

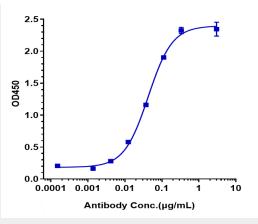
## Anti-ERBB3 / HER3 Reference Antibody (patritumab) - Images



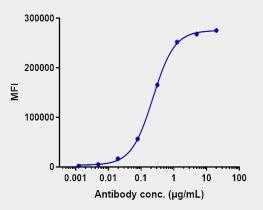
Anti-ERBB3 / HER3 Reference Antibody (patritumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

The purity of Anti-ERBB3 / HER3 Reference Antibody (patritumab)is more than 99.19% , determined by SEC-HPLC.





Immobilized human HER3 His at 2  $\mu$ g/mL can bind Anti-ERBB3 / HER3 Reference Antibody (patritumab)]]EC50=0.04264  $\mu$ g/mL



Human HER3 HEK293 cells were stained with Anti-ERBB3 / HER3 Reference Antibody (patritumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC99= $0.2297 \mu g/mL$