

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:20682778). May also be activated by CSPG5 (PubMed:15358134). Involved in the regulation of myeloid cell differentiation (PubMed:27416908).

Cellular Location

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



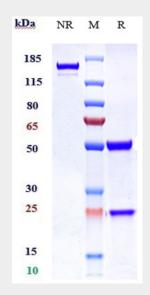
Tissue Location Epithelial tissues and brain.

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>

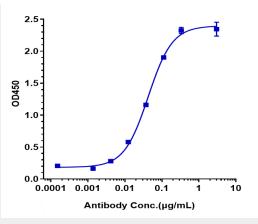
Anti-ERBB3 / HER3 Reference Antibody (patritumab) - Images



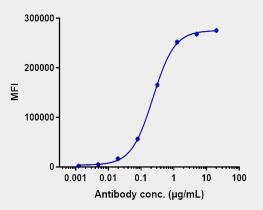
Anti-ERBB3 / HER3 Reference Antibody (patritumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

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





Immobilized human HER3 His at 2 μ g/mL can bind Anti-ERBB3 / HER3 Reference Antibody (patritumab)]]EC50=0.04264 μ 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= $0.2297 \mu g/mL$