

**Anti-ERBB3/ HER3 Reference Antibody (patritumab deruxtecan)
Recombinant Antibody
Catalog # APR10048**

Specification

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

Application	FC, E, FTA
Primary Accession	P21860
Reactivity	Cynomolgus, Human, Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	146.86 KDa

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

Target/Specificity
ERBB3 / HER3

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

Conjugation
Dxd

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 deruxtecan) - 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

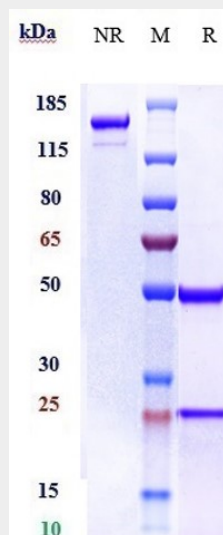
Tissue Location

Epithelial tissues and brain.

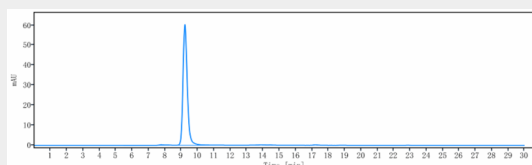
Anti-ERBB3/ HER3 Reference Antibody (patritumab deruxtecan) - Protocols

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

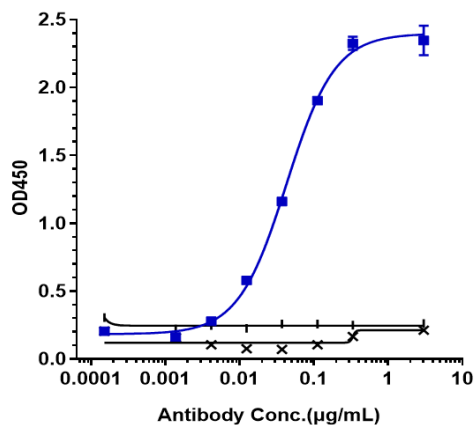
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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

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



Immobilized human HER3 His at 2 µg/mL can bind Anti-ERBB3/ HER3 Reference Antibody (patritumab deruxtecan) $EC_{50}=0.044$ µg/mL