

Anti-NGLY1 Reference Antibody (Jackson Laboratory patent anti-NGLY1)

Catalog # APR11548

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q96IV0
Reactivity	Human
Clonality	Monoclonal
Isotype	mIgG1-TW-DD
Calculated MW	74390

Additional Information

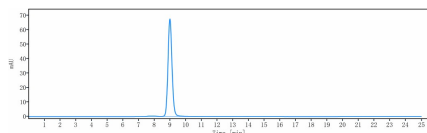
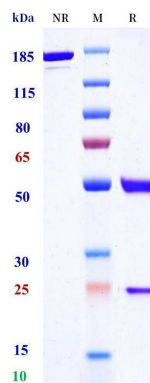
Target/Specificity	NGLY1
Expression system	CHO

Protein Information

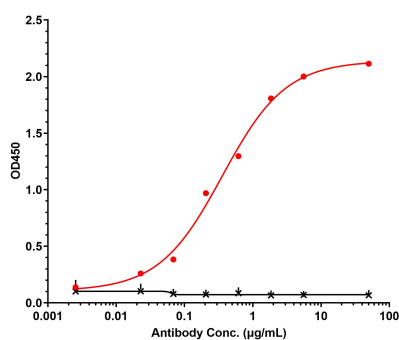
Name	NGLY1
Synonyms	PNG1
Function	Specifically deglycosylates the denatured form of N-linked glycoproteins in the cytoplasm and assists their proteasome-mediated degradation. Cleaves the beta-aspartyl-glucosamine (GlcNAc) of the glycan and the amide side chain of Asn, converting Asn to Asp. Prefers proteins containing high-mannose over those bearing complex type oligosaccharides. Can recognize misfolded proteins in the endoplasmic reticulum that are exported to the cytosol to be destroyed and deglycosylate them, while it has no activity toward native proteins. Deglycosylation is a prerequisite for subsequent proteasome-mediated degradation of some, but not all, misfolded glycoproteins.
Cellular Location	Cytoplasm.

Images

Anti-NGLY1 Reference Antibody (Jackson Laboratory patent anti-NGLY1) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-NGLY1 Reference Antibody (Jackson Laboratory patent anti-NGLY1) is 95.6%, determined by SEC-HPLC.



Immobilized NGLY1-His, It's target at 2 µg/mL can bind Jackson Laboratory patent anti-NGLY1, EC₅₀= 0.3584 µg/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.