

Anti-CD57 / HNK1 Antibody (clone HNK-1)

Mouse Anti Human Monoclonal Antibody

Catalog # ALS17757

Product Information

Application	IHC-P, FC
Primary Accession	Q9P2W7
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgM,k
Clone Names	HNK-1
Calculated MW	38256

Additional Information

Gene ID	27087
Alias Symbol	B3GAT1
Other Names	B3GAT1, CD57, CD57 antigen, GlcAT-P, GLCUATP, Glucuronosyltransferase P, HNK-1, HNK1, LEU7, GLCATP, NK-1, NK1, LEU7 antigen, GlcUAT-P
Reconstitution & Storage	Ammonium sulfate precipitation
Precautions	Anti-CD57 / HNK1 Antibody (clone HNK-1) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	B3GAT1 (HGNC:921)
Synonyms	GLCATP
Function	Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo- fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceroyl- sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group.
Cellular Location	[Isoform 1]: Golgi apparatus membrane {ECO:0000250 UniProtKB:O35789}; Single-pass type II membrane protein {ECO:0000250 UniProtKB:O35789}. Secreted {ECO:0000250 UniProtKB:O35789}

Tissue Location	Mainly expressed in the brain.
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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.