

Datasheet for ABIN732308
anti-CD57 antibody (AA 21-120)[Go to Product page](#)

1 Image

2 Publications

Overview

Quantity:	100 µL
Target:	CD57 (B3GAT1)
Binding Specificity:	AA 21-120
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD57 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human B3GAT1/CD57
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Chicken
Purification:	Purified by Protein A.

Target Details

Target:	CD57 (B3GAT1)
---------	---------------

Target Details

Alternative Name:	B3GAT1/CD57 (B3GAT1 Products)
Background:	<p>Synonyms: NK1, CD57, HNK1, LEU7, NK-1, GLCATP, GLCUATP, Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1, Beta-1,3-glucuronyltransferase 1, Glucuronosyltransferase P, GlcAT-P, UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase, GlcUAT-P, B3GAT1</p> <p>Background: 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 (By similarity).</p>
Gene ID:	27087
UniProt:	Q9P2W7
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

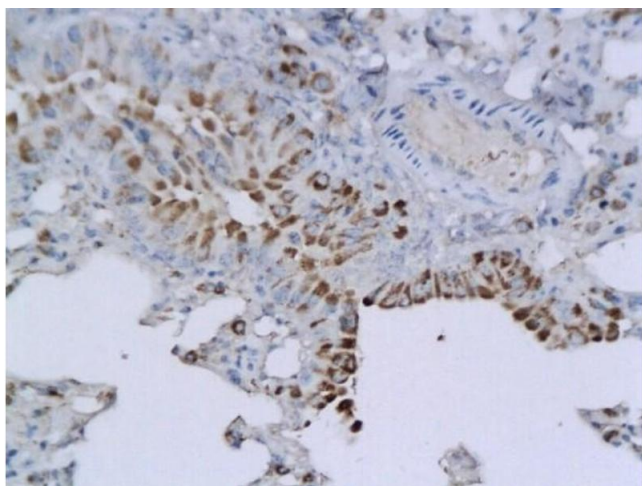
Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	<p>Kaneko, Sullivan, Dailey, Vale, Tajiri, Borlongan: "Kainic Acid-Induced Golgi Complex Fragmentation/Dispersal Shifts the Proteolysis of Reelin in Primary Rat Neuronal Cells: An In Vitro Model of Early Stage Epilepsy." in: Molecular neurobiology, (2015) (PubMed).</p> <p>Salisbury, Lazard, Ubogu, Davis, Olmsted-Davis: "Transient brown adipocyte-like cells derive from peripheral nerve progenitors in response to bone morphogenetic protein 2." in: Stem cells translational medicine, Vol. 1, Issue 12, pp. 874-85, (2013) (PubMed).</p>
-------------------	---

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse lung labeled with Anti-CD57 Polyclonal Antibody, Unconjugated (ABIN732308) followed by conjugation to the secondary antibody and DAB staining