ARG10846
anti-CD57 antibody [E20-I]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Monoclonal antibody [E20-I] recognizes CD57
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P
Host	Rabbit
Clonality	Monoclonal
Clone	E20-I
Target Name	CD57
Species	Human
Immunogen	Synthetic peptide around the C-terminus of Human CD57.
Conjugation	Un-conjugated
Alternate Names	Glucuronosyltransferase P; CD57; LEU7; GlcAT-P; GLCATP; HNK1; GlcUAT-P; NK1; Beta-1,3-glucuronyltransferase 1; EC 2.4.1.135; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; GLCUATP; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; NK-1

Application Instructions

Application table

Application	Dilution
IHC-P	1:100 - 1:200

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in Citrate buffer (pH 6.0) for 25-35 min followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

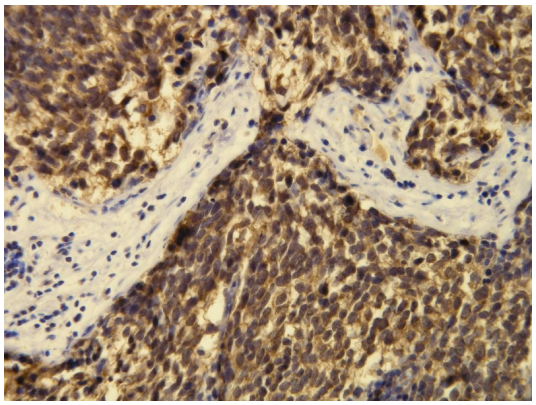
Properties

Form	Liquid
Buffer	20 mM Tris-HCl (pH 8.0), 0.05% Sodium azide and 20 mg/ml BSA.
Preservative	0.05% Sodium azide
Stabilizer	20 mg/ml BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	B3GAT1
Gene Full Name	beta-1,3-glucuronyltransferase 1
Background	The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7). Alternate transcriptional splice variants have been characterized. [provided by RefSeq, Jul 2008]
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: stearoyl-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). [UniProt]
Calculated Mw	38 kDa
PTM	The soluble form derives from the membrane form by proteolytic processing. [UniProt]

Images



ARG10846 anti-CD57 antibody [E20-I] IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded poorly differentiated Human neuroblastoma tissue (4 µm section) stained with ARG10846 anti-CD57 antibody [E20-I].