

# CD75 Antibody

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP51539

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P15907</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	46605

## Additional Information

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<b>Gene ID</b>	6480
<b>Other Names</b>	Beta-galactoside alpha-2, 6-sialyltransferase 1, Alpha 2, 6-ST 1, B-cell antigen CD75, CMP-N-acetylneuraminase-beta-galactosamide-alpha-2, 6-sialyltransferase 1, ST6Gal I, ST6GalII, Sialyltransferase 1, ST6GAL1, SIAT1
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD75. The exact sequence is proprietary.
<b>Dilution</b>	WB~~ 1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	ST6GAL1
<b>Synonyms</b>	SIAT1
<b>Function</b>	Transfers sialic acid from CMP-sialic acid to galactose- containing acceptor substrates. In B lymphocytes, generates neuraminidase-sensitive lymphocyte cell-surface differentiation antigens, such as CDw75, HB-6 and CD76 (PubMed: <a href="#">1730763</a> ). Sialylates complex-type N-glycans attached on the fragment crystallizable (Fc) of IgGs conferring anti-inflammatory effector functions. Preferentially monosialylates the alpha(1->3) mannose antenna of Fc glycoforms with subsequent disialylation occurring at a much slower rate.
<b>Cellular Location</b>	Golgi apparatus, Golgi stack membrane; Single-pass type II membrane protein. Secreted {ECO:0000250 UniProtKB:P13721}. Note=Membrane-bound form in trans cisternae of Golgi (PubMed:20378551). Secreted into the body fluid (By similarity). Colocalizes with MGAT3 and B4GALT1 in the Golgi

stacks of cisternae, including the cis-part of the Golgi stacks.  
{ECO:0000250|UniProtKB:P13721, ECO:0000269|PubMed:20378551,  
ECO:0000269|PubMed:29133956}

## Background

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Transfers sialic acid from CMP-sialic acid to galactose- containing acceptor substrates.

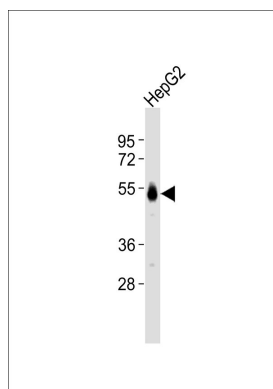
## References

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Grundmann U.G.,et al.Nucleic Acids Res. 18:667-667(1990).  
Stamenkovic I.,et al.J. Exp. Med. 172:641-643(1990).  
Bast B.J.E.G.,et al.J. Cell Biol. 116:423-435(1992).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

## Images

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Anti-CD75 Antibody at 1:1000 dilution + HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 47 kDa  
Blocking/Dilution buffer: 5% NFD/MTBST.

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