

CD73 Recombinant antibody

Catalog Number: 86512-3-RR

Basic Information

Catalog Number: 86512-3-RR	GenBank Accession Number: NM_002526.3	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4907	CloneNo.: 251250H3
Source: Rabbit	UNIPROT ID: P21589-1	Recommended Dilutions: WB: 1:1000-1:6000 IF/ICC: 1:400-1:1600
Isotype: IgG	Full Name: 5'-nucleotidase, ecto (CD73)	
Immunogen Catalog Number: EG2974	Calculated MW: 63 kDa	
	Observed MW: 63-70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : HuH-7 cells, A375 cells, HT-29 cells IF/ICC : U-251 cells,

Background Information

NT5E(5'-nucleotidase) is also named as NT5, NTE, CD73, ecto-5'-nucleotidase, and belongs to the 5'-nucleotidase family. It catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme occurs mainly as a dimer and the wide distribution of NT5E in the rat hippocampus, suggesting their involvement in the control of the purinergic signaling (PMID:17619139). This protein has two isoforms with the molecular weight of 63 kDa and 58 kDa and four glycosylation sites with a signal peptide. It can exist as a dimer (PMID:17619139). It can be detected the band of 55 kDa, 64 kDa, 70 kDa, 110 kDa by western blot (PMID:17619139; 12370277; 21533188). Defects in NT5E are the cause of calcification of joints and arteries (CALJA).

Storage

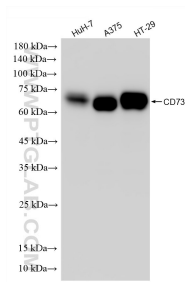
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

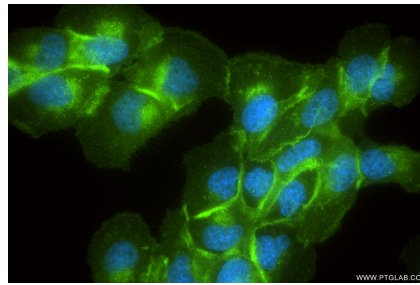
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86512-3-RR (CD73 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-251 cells using CD73 antibody (86512-3-RR, Clone: 251250H3) at dilution of 1:800 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).