

Product datasheet for **TA327230**

CD73 (NT5E) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	WB 1:500 - 1:2000;IF 1:50- 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human NT5E
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	5'-nucleotidase ecto
Database Link:	NP_002517 Entrez Gene 23959 Mouse Entrez Gene 58813 Rat Entrez Gene 4907 Human P21589
Background:	Ecto-5nucleotidase (NT5E, also called CD73) is a 70 kDa glycosyl phosphatidylinositol-anchored membrane-bound glycoprotein that catalyzes the hydrolysis of extracellular nucleoside monophosphates into bioactive nucleoside. NT5E catalyzes the terminal step of extracellular adenosine formation from adenosine-monophosphate, therefore driving the regulation of extracellular adenosine levels and the downstream activation of the four G protein-coupled adenosine receptors. Binding of hypoxia-inducible factor (HIF-1) to the NT5E gene promotor leads to upregulation of NT5E during hypoxia. NT5E biological roles span from lymphocyte adhesion, to fibrosis, to regulation of nociception.
Synonyms:	CALJA; CD73; E5NT; eN; eNT; NT; NT5; NTE

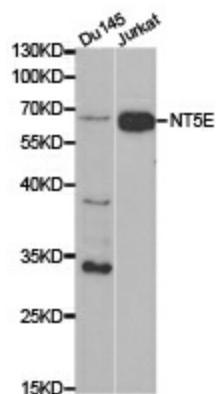


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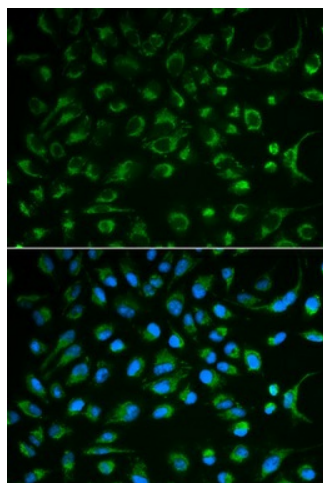
Protein Families: ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism

Product images:



Western blot analysis of extracts of various cell lines, using NT5E antibody.



Immunofluorescence analysis of MCF7 cell using NT5E antibody. Blue: DAPI for nuclear staining.