

Rabbit anti-Human CD73 Polyclonal Antibody | anti-NT5E antibody

Anti-CD73 Antibody, Rabbit Polyclonal

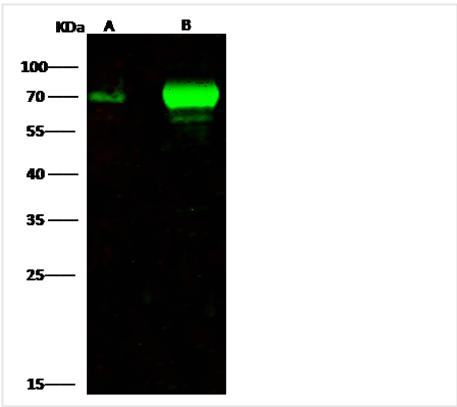
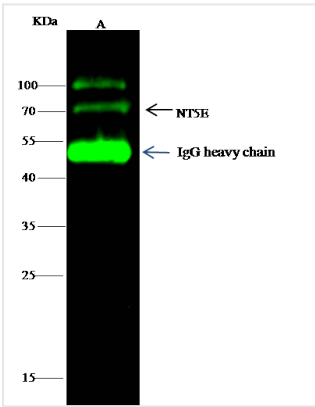
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255249	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

CD73; Polyclonal Antibody; Anti-CD73 Antibody; Rabbit Polyclonal; CD73/NT5E Antibody; Rabbit PAb; Antigen Affinity Purified; 5'-nucleotidase; ecto (CD73); Anti-CALJA Antibody; Anti-E5NT Antibody; Anti-eN Antibody; Anti-eNT Antibody; Anti-NT Antibody; Anti-NT5 Antibody; Anti-NTE Antibody; anti-NT5E antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human CD73/NT5E
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-NT5E antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human CD73/NT5E protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human CD73/NT5E (rh CD73/NT5E). CD73/NT5E specific IgG was purified by Human CD73/NT5E affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
NT5E was immunoprecipitated using: Lane A: 0.5 mg HepG2 Whole Cell Lysate 2 uL anti-NT5E rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose. Primary antibody: Anti-NT5E rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution Developed using the odssey technique. Performed under reducing conditions. Predicted band size: 63 kDa Observed band size: 63 kDa

WB (Western Blot)
Anti-NT5E rabbit polyclonal antibody at 1:500 dilution Lane A: HepG2 Whole Cell Lysate Lane B: NCI-H1299 Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 63 kDa Observed band size: 70 kDa (We are unsure as to the identity of these extra bands).

ADDITIONAL INFORMATION

Related Product Information for anti-NT5E antibody	5'-nucleotidase, also known as NT5E, NTE, and CD73, is a cell membrane protein that belongs to the 5'-nucleotidase family. CD73 is a glycosylphosphatidylinositol (GPI) anchored purine salvage enzyme expressed on the surface of human T and B lymphocytes. CD73 catalyzes the conversion of purine and pyrimidine ribo- and deoxyribonucleoside monophosphates to the corresponding nucleosides. CD73 serves as a costimulatory molecule in activating T cells. CD73 generated adenosine functions in cell signaling in many physiologic systems, including intestinal epithelium, ischemic myocardium, and cholinergic synapses. CD73 might mediate lymphocyte-stromal cell interactions or condition the local microenvironment to facilitate lymphocyte development and/or function. In CD73-depleted cells, surface levels of the leukocyte adhesion molecules ICAM-1, VCAM-1, and E-selectin increase. CD73 produces extracellular adenosine, which then acts on G protein-coupled purinergic receptors to induce cellular responses. CD73 has also been reported to regulate the expression of pro-inflammatory molecules in mouse endothelium.
Product Categories/Family for anti-NT5E antibody	Phosphatases and Regulators
References	Resta R. et al., 1997, Cell Signal. 9 (2): 131-9. Yamashita Y. et al., 1998, Eur J Immunol. 28 (10): 2981-90. Louis NA. et al., 2008, J Immunol. 180 (6): 4246-55. Grunewald JK. et al., 2010, J Inflamm. 7 (1): 10.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505467
NCBI GeneID	4907
NCBI Accession #	NP_002517.1
NCBI GenBank Nucleotide #	NM_002526.3
UniProt Accession #	P21589; O75520; Q5W116; B3KQI8
Molecular Weight	57,949 Da
NCBI Official Full Name	5'-nucleotidase isoform 1 preproprotein
NCBI Official Synonym Full Names	5'-nucleotidase, ecto (CD73)
NCBI Official Symbol	NT5E
NCBI Official Synonym Symbols	NT; eN; NT5; NTE; eNT; CD73; E5NT; CALJA

NCBI Protein Information	5'-nucleotidase; 5'-NT; ecto-5'-nucleotidase; Purine 5-Prime-Nucleotidase
UniProt Protein Name	5'-nucleotidase
UniProt Gene Name	NT5E
UniProt Synonym Gene Names	NT5; NTE; 5'-NT
UniProt Entry Name	5NTD_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd73-antibody-immunoprecipitation-western-blot-elisa/255249>