

Rabbit anti-Human, mouse CD73 (NT5E) Polyclonal Antibody | anti-NT5E antibody

CD73 (NT5E) Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287872	Rabbit	Human, mouse	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

CD73 (NT5E); Polyclonal Antibody; CD73 (NT5E) Antibody (C-term); 5'-nucleotidase; 5'-NT; Ecto-5'-nucleotidase; CD73; NT5E; NT5; NTE; anti-NT5E antibody

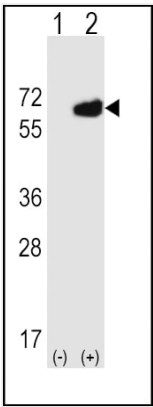
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CD73 (NT5E) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 520-550 amino acids from the C-terminal region of human CD73 (NT5E).
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	520-550
Sequence Length	524
Applicable Applications for anti-NT5E antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

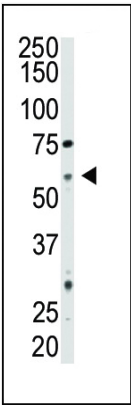
IMAGES



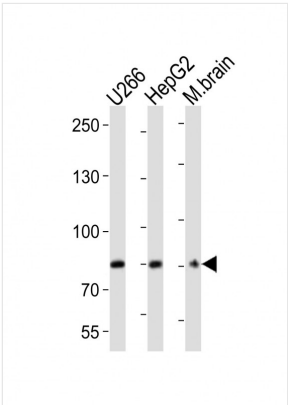
IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human Placenta tissue reacted with CD73 (NT5E) Antibody (C-term) , which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of NT5E (arrow) using rabbit polyclonal NT5E Antibody (M535). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the NT5E gene.



WB (Western Blot)
Western blot analysis of CD73 Pab in mouse brain tissue lysate. CD73 (Arrow) was detected using purified Pab. Secondary HRP-anti-rabbit was used for signal visualization with chemiluminescence.



WB (Western Blot)
Western blot analysis of lysates from U266, HepG2 cell line, mouse brain tissue lysate(from left to right), using NT5E-M535 Antibody. AAA287872 was diluted at 1:500 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-NT5E antibody	Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase) catalyzes the conversion at neutral pH of purine 5-prime mononucleotides to nucleosides, the preferred substrate being AMP. The enzyme consists of a dimer of 2 identical 70 kD subunits bound externally to the plasma membrane by a glycosyl phosphatidyl inositol linkage. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5E occurs in a variety of immunodeficiency diseases. Other forms of 5-prime nucleotidase exist in the cytoplasm and lysosomes and can be distinguished from ecto-NT5 by their substrate affinities, requirement for divalent magnesium ion, activation by ATP, and inhibition by inorganic phosphate. It is not known whether the different enzymes are coded by different genes or result from different posttranslational modifications of a single coding sequence.
Product Categories/Family for anti-NT5E antibody	Cardiovascular
References	Hashikawa, T., et al., J. Dent. Res. 82(11):888-892 (2003). Rosi, F., et al., Biomed. Pharmacother. 56(2):100-104 (2002). Misumi, Y., et al., Eur. J. Biochem. 191(3):563-569 (1990). Boyle, J.M., et al., Hum. Genet. 81(1):88-92 (1988). Kalsi, K., et al., Mol. Cell. Biochem. 232 (1-2), 113-119 (2002).

NCBI AND UNIPROT INFORMATION

NCBI GI #	325651886
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NCBI GeneID	4907
NCBI Accession #	NP_001191742.1; NP_002517.1
NCBI GenBank Nucleotide #	NM_001204813.1
UniProt Accession #	P21589; O75520; Q5W116; B3KQI8
Molecular Weight	63368
NCBI Official Full Name	5'-nucleotidase isoform 2 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
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://stage.aaabiotech.com/polyclonal/cd73-nt5e-antibody-immunohistochemistry-western-blot-elisa/287872>