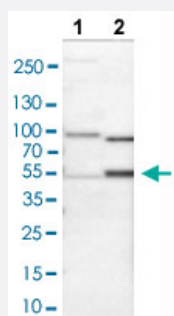


NT5E polyclonal antibody

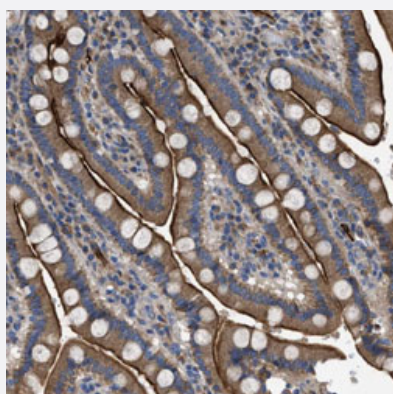
Catalog # PAB29314 Size 100 uL

Applications



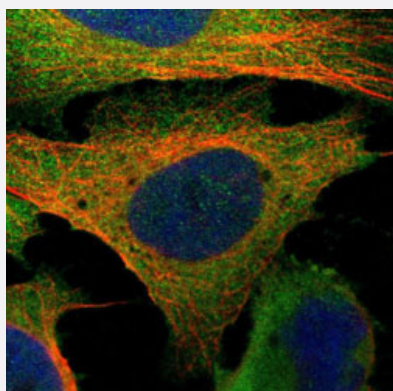
Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate, Lane 2: NBT-II cell lysate with NT5E polyclonal antibody (Cat# PAB29314) at 1:100 - 1:250 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human duodenum tissue with NT5E polyclonal antibody (Cat# PAB29314) at 1:1000 - 1:2500 dilution.



Immunofluorescence

Immunofluorescence staining of U-2 OS cells with NT5E polyclonal antibody (Cat# PAB29314) under 1-4 ug/mL working concentration.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human NT5E.
Immunogen	Recombinant protein corresponding to amino acids 118-232 of human NT5E.
Sequence	EFDNGVEGLIEPLLKEAKFPILSANIKAKGPLASQISGLYLPYKVLPVGDEVVGMGYTSKETPFLSN PGTNLVFEDEITALQPEVDKLTNLNVNKIALGHSGFEMDKLIAQK
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (1:1000-1:2500) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: NIH-3T3 cell lysate, Lane 2: NBT-II cell lysate with NT5E polyclonal antibody (Cat# PAB29314) at 1:100 - 1:250 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human duodenum tissue with NT5E polyclonal antibody (Cat# PAB29314) at 1:1000 - 1:2500 dilution.

- Immunofluorescence

Immunofluorescence staining of U-2 OS cells with NT5E polyclonal antibody (Cat# PAB29314) under 1-4 ug/mL working concentration.

Gene Info — NT5E

Entrez GeneID	4907
Protein Accession#	P21589
Gene Name	NT5E
Gene Alias	CD73, E5NT, NT, NT5, NTE, eN, eNT
Gene Description	5'-nucleotidase, ecto (CD73)
Omim ID	129190
Gene Ontology	Hyperlink
Gene Summary	Ecto-5-prime-nucleotidase (5-prime-ribonucleotide phosphohydrolase; EC 3.1.3.5) 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 by a glycosyl phosphatidyl inositol linkage to the external face of the plasma membrane. The enzyme is used as a marker of lymphocyte differentiation. Consequently, a deficiency of NT5 occurs in a variety of immunodeficiency diseases (e.g., see MIM 102700, MIM 300300). 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.[supplied by OMIM]
Other Designations	5' nucleotidase (CD73) 5' nucleotidase, ecto OTTHUMP00000016808 OTTHUMP00000040565 Purine 5-Prime-Nucleotidase ecto-5'-nucleotidase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Ataxia telangiectasia](#)
- [Colorectal Neoplasms](#)
- [Depressive Disorder](#)

- [Fatigue](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)
- [Sleep Disorders](#)
- [Sleep Initiation and Maintenance Disorders](#)