Datasheet for ABIN388749

anti-CD73 antibody (N-Term)

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Overview

Quantity:	400 µL
Target:	CD73 (NT5E)
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD73 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This CD73 (NT5E) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CD73 (NT5E).
Clone:	RB02844
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	CD73 (NT5E)
Alternative Name:	CD73 (NT5E) (NT5E Products)

Target Details

Background:	Ecto-5-prime-nucleotidase catalyzes conversion at neutral pH of purine 5-prime mononucleotides to nucleosides. The enzyme consists of a dimer of 2 identical 70 kD subunits tethered by a glycosyl phosphatidyl inositol moeity to the exterior plasma membrane surface. The enzyme, a marker of lymphocyte differentiation is associated in deficiency with a variety of immunodeficiency diseases. The preferred substrate is AMP. The NT5 gene has been localized to 6q14-q21 by immunofluorescence and a study of a panel of human x mouse hybrids that contained fragments of chromosome 6 as translocations.
Molecular Weight:	63368
Gene ID:	4907
NCBI Accession:	NP_001191742, NP_002517
UniProt:	P21589
Pathways:	Synaptic Membrane, Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	IHC-P: 1:10~50
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Kim, Piao, Pak, Chung, Han, Hong, Jun, Shim, Choi, Kim: "Umbilical cord mesenchymal stromal

Publications

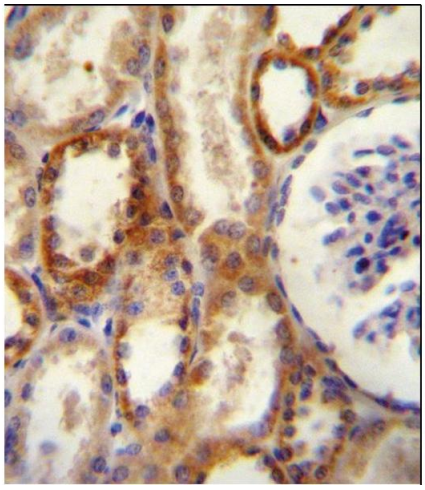
cells affected by gestational diabetes mellitus display premature aging and mitochondrial dysfunction." in: **Stem cells and development**, Vol. 24, Issue 5, pp. 575-86, (2015) (PubMed).

Doherty, Bai, Hanidziar, Longhi, Lawlor, Putheti, Csizmadia, Nowak, Cheifetz, Moss, Robson: " CD73 is a phenotypic marker of effector memory Th17 cells in inflammatory bowel disease." in: **European journal of immunology**, Vol. 42, Issue 11, pp. 3062-72, (2012) (PubMed).

Andrade, Lopez, Noronha, Wink, Borojevic, Margis, Lenz, Battastini, Guma: "Ecto-5'-nucleotidase/CD73 knockdown increases cell migration and mRNA level of collagen I in a hepatic stellate cell line." in: **Cell and tissue research**, Vol. 344, Issue 2, pp. 279-86, (2011) (PubMed).

Nadri, Soleimani, Mobarra, Amini: "Expression of dopamine-associated genes on conjunctiva stromal-derived human mesenchymal stem cells." in: **Biochemical and biophysical research communications**, Vol. 377, Issue 2, pp. 423-8, (2008) (PubMed).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. CD73 (NT5E) Antibody (N-term) (ABIN388749 and ABIN2839010) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of CD73 (NT5E) Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.