

Datasheet for ABIN3029822
anti-CD73 antibody (AA 520-550)



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3 Images

Overview

Quantity:	0.4 mL
Target:	CD73 (NT5E)
Binding Specificity:	AA 520-550
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD73 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	A portion of amino acids 520-550 from the human protein was used as the immunogen for this CD73 antibody.
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	CD73 (NT5E)
Alternative Name:	CD73 (NT5E Products)
Background:	Ecto-5-prime-nucleotidase/5-prime-ribonucleotide phosphohydrolase/NT5E/CD73 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

Target Details

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/CD73 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.

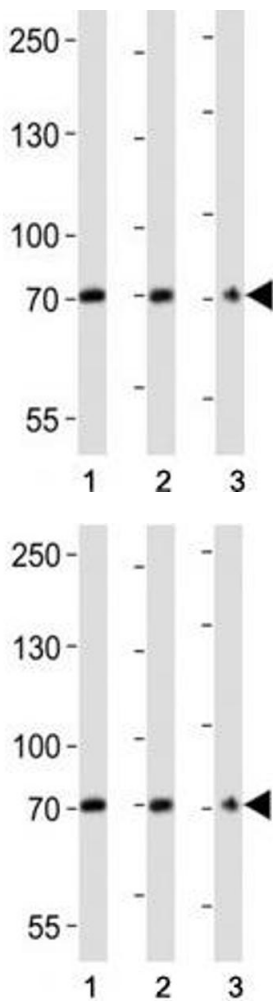
UniProt:	P21589
Pathways:	Synaptic Membrane , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Titration of the CD73 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000-2000,IHC (Paraffin): 1:10-1:50
Restrictions:	For Research Use only

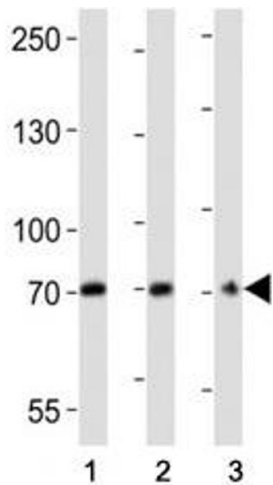
Handling

Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % 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:	-20 °C
Storage Comment:	Aliquot the CD73 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



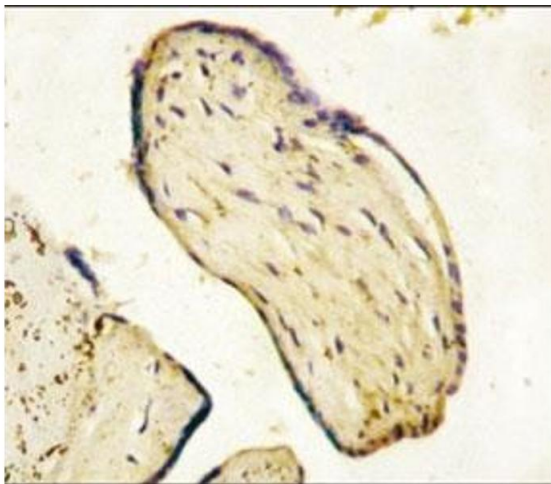
Western Blotting

Image 1. Western blot analysis of lysate from (1) U266, (2) HepG2 cell line, (3) mouse brain tissue lysate using CD73 antibody at 1:2000. Predicted molecular weight: 65-70 kDa.



Western Blotting

Image 2. Western blot analysis of lysate from (1) U266, (2) HepG2 cell line, (3) mouse brain tissue lysate using CD73 antibody at 1:2000. Predicted molecular weight: 65-70 kDa.



Immunohistochemistry

Image 3. IHC analysis of FFPE human placenta tissue stained with CD73 antibody