

Datasheet for ABIN7042877

anti-CD73 antibody (Extracellular, N-Term)[Go to Product page](#)**4** Images

Overview

Quantity:	50 µL
Target:	CD73 (NT5E)
Binding Specificity:	AA 429-433, Extracellular, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD73 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)KGSTLKKAFEHSVHR, corresponding to amino acid residues 429-433 of mouse CD73
Isotype:	IgG
Characteristics:	Anti-CD73 (extracellular) Antibody (ABIN7042877, ABIN7044811 and ABIN7044812)) is a highly specific antibody directed against an epitope of the mouse protein. The antibody can be used in western blot, immunohistochemistry, and live cell flow cytometry applications. It has been designed to recognize NT5E from human, rat and mouse samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

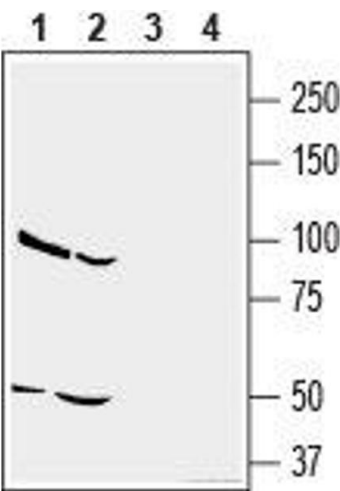
Target:	CD73 (NT5E)
Alternative Name:	CD73 (NT5E Products)
Background:	Alternative names: CD73, Ecto-5-nucleotidase, E5NT, 5'-Nucleotidase, 5'-NT, NT5E
Gene ID:	23959
NCBI Accession:	NM_001204813
UniProt:	Q61503
Pathways:	Synaptic Membrane , Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

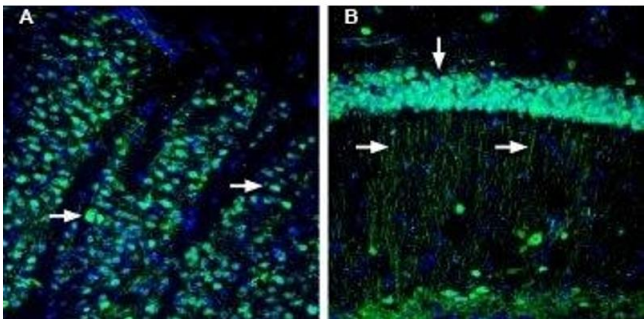
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % 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:	RT, 4 °C, -20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



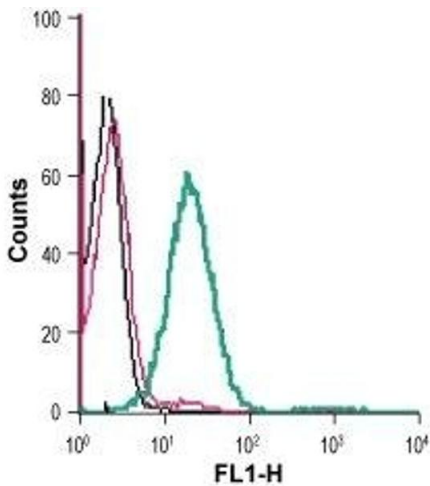
Western Blotting

Image 1. Western blot analysis of human U-87 MG glioblastoma cell line lysate (lanes 1 and 3) and human MDA-MB-231 breast adenocarcinoma cell line lysate (lanes 2 and 4): - 1,2. Anti-CD73 (extracellular) Antibody (ABIN7042877, ABIN7044811 and ABIN7044812), (1:200).3,4. Anti-CD73 (extracellular) Antibody, preincubated with CD73 (extracellular) Blocking Peptide (#BLP-NT066).



Immunohistochemistry

Image 2. Expression of CD73 in mouse striatum and hippocampus. - Immunohistochemical staining of perfusion-fixed frozen mouse brain sections with Anti-CD73 (extracellular) Antibody (ABIN7042877, ABIN7044811 and ABIN7044812), (1:200), followed by goat anti-rabbit-AlexaFluor-488. A. CD73 staining (green) in mouse striatum is detected in striatal cells (arrows). B. CD73 staining (green) in hippocampal CA1 region is detected in cells of the pyramidal layer (vertical arrow) and their apical dendrites (horizontal arrows). Cell nuclei are stained with DAPI (blue).



Flow Cytometry

Image 3. Cell surface detection of CD73 in live intact human Jurkat T-cell leukemia cells: (black line) Cells.(red line) Cells + goat-anti-rabbit-FITC.(green line) Cells + Anti-CD73 (extracellular) Antibody (ABIN7042877, ABIN7044811 and ABIN7044812), (5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7042877.