

Product datasheet

Anti-CD39 antibody ab231983

4 Images

Overview

Product name	Anti-CD39 antibody
Description	Rabbit polyclonal to CD39
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human, Pig
Immunogen	<p>Recombinant fragment (His-T7-tag) corresponding to Human CD39 aa 241-486. (Expressed in E.coli).</p> <p>Sequence:</p> <p>LYGKDYNVYTHSFLCYGKDQALWQKLAKDIQVASNEIL RDPCFHPGYKKV VNVSDLYKTPCTKRFEMTLPFQQFEIQGIGNYQQCHQS ILELFNTSYCPY SQCAFNGIFLPLQGDFGAFSAFYFVMKFLNLTSEKVS QEKVTEMMKKFC AQPWEEIKTSYAGVKEKYLSEYCFSGTYILSLLLQGYHF TADSWEHIFI GKIQGS DAGWTLGYMLNLTNMIPAEQPLSTPLSHSTYV FLMVLFSL</p> <p>Database link: P49961</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	WB: Recombinant human CD39 protein and pig liver tissue lysate. IHC-P: Human liver and stomach cancer tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 50% Glycerol</p>

Purity	Immunogen affinity purified
Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab231983** in the following tested applications.

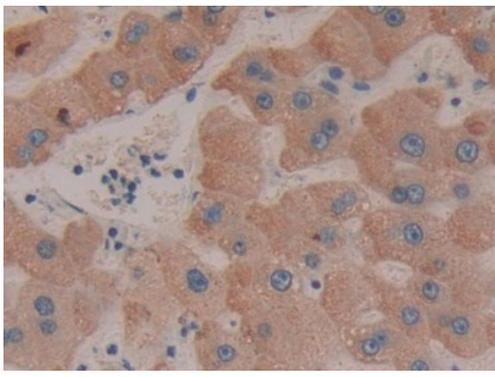
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 58 kDa.

Target

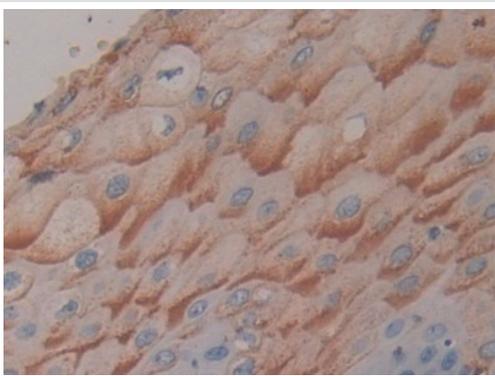
Function	In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Could also be implicated in the prevention of platelet aggregation. Hydrolyzes ATP and ADP equally well.
Tissue specificity	Expressed primarily on activated lymphoid cells. Also expressed in endothelial tissues. The vascular isoform and the placental isoform II are present in both placenta and umbilical vein, whereas placental isoform I is present in placenta only.
Sequence similarities	Belongs to the GDA1/CD39 NTPase family.
Post-translational modifications	The N-terminus is blocked. Palmitoylated in the N-terminal part.
Cellular localization	Membrane.
Form	There are 3 isoforms produced by alternative splicing.

Images



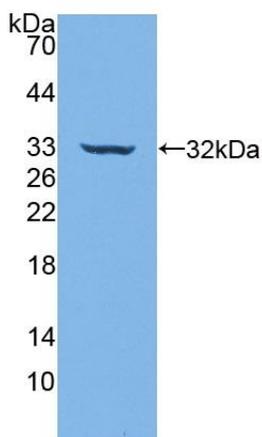
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD39 antibody (ab231983)

Formalin-fixed, paraffin-embedded human liver tissue stained for CD39 using ab231983 at 10 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CD39 antibody (ab231983)

Formalin-fixed, paraffin-embedded human stomach cancer tissue stained for CD39 using ab231983 at 10 $\mu\text{g/ml}$ in immunohistochemical analysis. DAB staining.

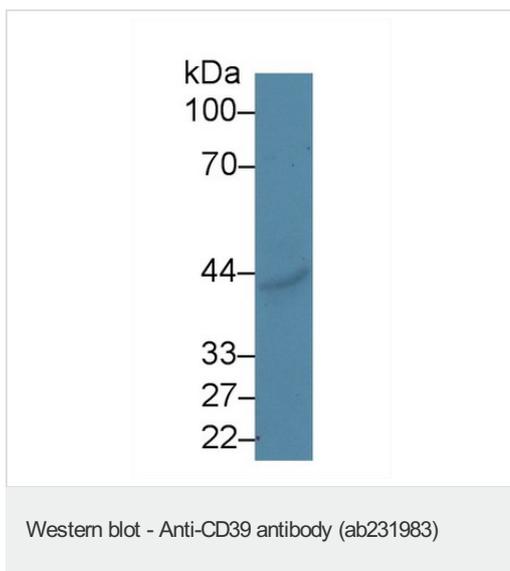


Western blot - Anti-CD39 antibody (ab231983)

Anti-CD39 antibody (ab231983) at 2 $\mu\text{g/ml}$ + Recombinant human CD39 protein

Developed using the ECL technique.

Predicted band size: 58 kDa



Anti-CD39 antibody (ab231983) at 5 µg/ml + Pig liver tissue lysate

Developed using the ECL technique.

Predicted band size: 58 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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