

Rabbit anti-Human Arginine Decarboxylase / ADC Polyclonal Antibody | anti-ADC antibody

Rabbit Polyclonal (IgG) to Human Arginine Decarboxylase / ADC

CATALOG # AAA52408	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

Arginine Decarboxylase / ADC; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human Arginine Decarboxylase / ADC; Anti-Arginine Decarboxylase / ADC Antibody (Internal) IHC-plus; ADC; Arginine decarboxylase; ARGDC; KIAA1945; ODC1L; ODCP; ODC antizyme inhibitor-2; ODC-paralogue; Antizyme inhibitor 2; ODC-p; Ornithine decarboxylase like; Human Arginine Decarboxylase; anti-ADC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human ADC
Purity/Purification	Immunoaffinity Purified
Form/Format	1X PBS, pH 7.1, 1% BSA, 20% Glycerol, 0.01% Thimerosal
Concentration	1.02 mg/ml (varies by lot)
Sequence Length	460
Applicable Applications for anti-ADC antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen Type	Recombinant protein
Immunogen	AZIN2/Antizyme Inhibitor 2 antibody was raised against Recombinant protein encompassing a sequence within the center region of human ADC. The exact sequence is proprietary.
Epitope	Internal
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short term storage (1-2 weeks), store at 4 degrees C. For long term storage, aliquot and store at -20 degrees C or below. Avoid multiple freeze-thaw cycles.

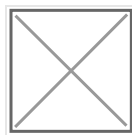
IMAGES



WB (Western Blot)
Sample (30 ug of whole cell lysate) A: SK-N-SH 10% SDS PAGE ADC antibody diluted at 1:5000

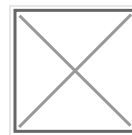


WB (Western Blot)
Sample (30 ug) A: Human normal cerebellar extract 10% SDS PAGE ADC antibody diluted at 1:1500

**IHC (Immunohistochemistry)**

Anti-Arginine Decarboxylase / ADC antibody IHC staining of human liver.

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 7.5 ug/ml.

**IHC (Immunohistochemistry)**

Anti-Arginine Decarboxylase / ADC antibody IHC staining of human small intestine.

Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16506287
NCBI GeneID	113451
NCBI Accession #	NP_443724.1
NCBI GenBank Nucleotide #	NM_052998.3
UniProt Accession #	Q96A70; Q5TIF4; Q5TIF5; Q5TIF6; Q8TF56; Q96L54; Q96L55; Q96L56; Q96L57; Q96MD9; B2RDU5; D3DPQ9
NCBI Official Full Name	antizyme inhibitor 2 isoform 1
NCBI Official Synonym Full Names	antizyme inhibitor 2
NCBI Official Symbol	AZIN2
NCBI Official Synonym Symbols	ADC; AZI2; ODCp; AZIB1; ODC-p; ODC1L
NCBI Protein Information	antizyme inhibitor 2; ODC-paralogue; ODC-like protein; arginine decarboxylase; ODC antizyme inhibitor-2; ornithine decarboxylase like; ornithine decarboxylase paralog; ornithine decarboxylase-paralog; ornithine decarboxylase-like protein
UniProt Protein Name	Antizyme inhibitor 2
UniProt Gene Name	AZIN2
UniProt Synonym Gene Names	ADC; KIAA1945; ODCP; Azi2; ADC; ARGDC; ODC-like protein; ODC-p
UniProt Entry Name	AZIN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/arginine-decarboxylase-adc-antibody-western-blot-immunohistochemistry-elisa/52408>