

Rabbit Antizyme Inhibitor 1 Polyclonal Antibody | anti-AZIN1 antibody

Antizyme Inhibitor 1 Antibody

CATALOG # AAA323172	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
-------------------------------	-----------------------	--	---

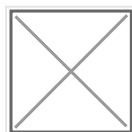
PRODUCT SYNONYMS

Antizyme Inhibitor 1; Polyclonal Antibody; Antizyme Inhibitor 1 Antibody; Antizyme inhibitor 1; AZI; Azin1; AZIN1_HUMAN; OAZI; OAZIN; ODC1L; Ornithine decarboxylase antizyme inhibitor; anti-AZIN1 antibody

PRODUCT SPECIFICATIONS

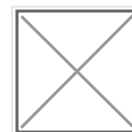
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Antizyme inhibitor 1 antibody detects endogenous levels of Antizyme inhibitor 1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	448
Applicable Applications for anti-AZIN1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Antizyme inhibitor 1.
Subcellular Location	Nucleus
Tissue Specificity	Expressed in liver.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HEK-293 cells, using Antizyme inhibitor 1 antibody.



IHC (Immunohistochemistry)

AAA323172 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-AZIN1 antibody	Function: Antizyme inhibitor (AZI) protein that positively regulates ornithine decarboxylase (ODC) activity and polyamine uptake. AZI is an enzymatically inactive ODC homolog that counteracts the negative effect of ODC antizymes (AZs) OAZ1, OAZ2 and OAZ3 on ODC activity by competing with ODC for antizyme-binding (PubMed:17900240, PubMed:26305948). Inhibits antizyme-dependent ODC degradation and releases ODC monomers from their inactive complex with antizymes, leading to formation of the catalytically active ODC homodimer and restoring polyamine production (PubMed:17900240). Subunit Structure: Monomer (PubMed:26305948). Interacts with OAZ1 and OAZ3; this interaction disrupts the interaction between the antizyme and ODC1 (Probable). Post-translational Modifications: Ubiquitinated, leading to its proteasomal degradation; a process that is reduced in presence of antizyme OAZ1. Similarity: Belongs to the Orn/Lys/Arg decarboxylase class-II family. ODC antizyme inhibitor subfamily.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361583
NCBI GeneID	51582
NCBI Accession #	NP_056962.2
NCBI GenBank Nucleotide #	NM_015878.5
UniProt Accession #	O14977; Q6IBQ7; Q96D20; A6NCD5
Molecular Weight	Observed: 49.5 kDa Predicted: 50 kDa
NCBI Official Full Name	antizyme inhibitor 1 isoform 1
NCBI Official Synonym Full Names	antizyme inhibitor 1
NCBI Official Symbol	AZIN1
NCBI Official Synonym Symbols	AZI; AZI1; OAZI; AZIA1; OAZIN; ODC1L
NCBI Protein Information	antizyme inhibitor 1
UniProt Protein Name	Antizyme inhibitor 1
UniProt Gene Name	AZIN1
UniProt Synonym Gene Names	OAZI; OAZIN; AZI; AZI1

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/antizyme-inhibitor-1-antibody-immunohistochemistry-western-blot-elisa/323172>