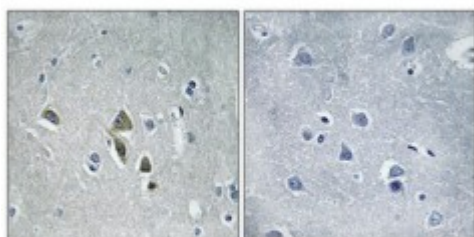


Anti-AZ1 antibody



Description	Rabbit polyclonal to AZ1.
Model	STJ91792
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC
Immunogen	Synthesized peptide derived from human AZ1
Immunogen Region	10-90 aa, N-terminal
Gene ID	4946
Gene Symbol	OAZ1
Dilution range	IHC 1:100-1:300ELISA 1:40000
Specificity	AZ1 Polyclonal Antibody detects endogenous levels of AZ1 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ornithine decarboxylase antizyme 1 AZ1 ODC-Az
Molecular Weight	25.406 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG

Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8095OMIM:601579
Alternative Names	Ornithine decarboxylase antizyme 1 AZ1 ODC-Az
Function	Ornithine decarboxylase (ODC) antizyme protein that negatively regulates ODC activity and intracellular polyamine biosynthesis and uptake in response to increased intracellular polyamine levels. Binds to ODC monomers, inhibiting the assembly of the functional ODC homodimer, and targets the monomers for ubiquitin-independent proteolytic destruction by the 26S proteasome . Triggers ODC degradation by inducing the exposure of a cryptic proteasome-interacting surface of ODC . Stabilizes AZIN2 by interfering with its ubiquitination . Also inhibits cellular uptake of polyamines by inactivating the polyamine uptake transporter. SMAD1/OAZ1/PSMB4 complex mediates the degradation of the CREBBP/EP300 repressor SNIP1. Involved in the translocation of AZIN2 from ER-Golgi intermediate compartment (ERGIC) to the cytosol .