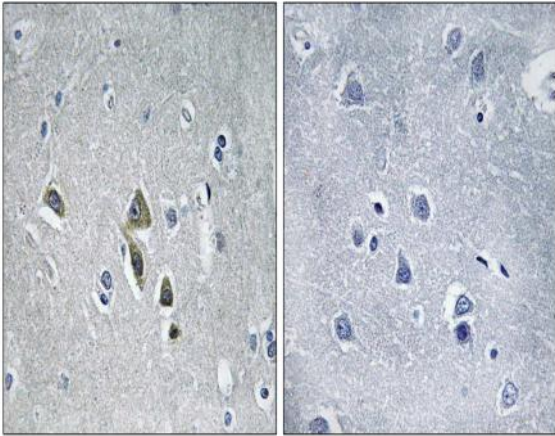


AZ1 Polyclonal Antibody

Catalog No :	YT0427
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	AZ1
Gene Name :	OAZ1
Protein Name :	Ornithine decarboxylase antizyme 1
Human Gene Id :	4946
Human Swiss Prot No :	P54368
Mouse Gene Id :	18245
Mouse Swiss Prot No :	P54369
Rat Gene Id :	25502
Rat Swiss Prot No :	P54370
Immunogen :	The antiserum was produced against synthesized peptide derived from human OAZ1. AA range:14-63
Specificity :	AZ1 Polyclonal Antibody detects endogenous levels of AZ1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	IHC 1:100 - 1:300. ELISA: 1:40000,WB 1:500-2000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	25kD
Background :	<p>The protein encoded by this gene belongs to the ornithine decarboxylase antizyme family, which plays a role in cell growth and proliferation by regulating intracellular polyamine levels. Expression of antizymes requires +1 ribosomal frameshifting, which is enhanced by high levels of polyamines. Antizymes in turn bind to and inhibit ornithine decarboxylase (ODC), the key enzyme in polyamine biosynthesis; thus, completing the auto-regulatory circuit. This gene encodes antizyme 1, the first member of the antizyme family, that has broad tissue distribution, and negatively regulates intracellular polyamine levels by binding to and targeting ODC for degradation, as well as inhibiting polyamine uptake. Antizyme 1 mRNA contains two potential in-frame AUGs; and studies in rat suggest that alternative use of the two translation initiation sites results in N-terminally distinct protein isoforms</p>
Function :	<p>alternative products:A ribosomal frameshift occurs between the codons for Ser-68 and Asp-69. An autoregulatory mechanism enables modulation of frameshifting according to the cellular concentration of polyamines,function:Binds to, and destabilizes, ornithine decarboxylase which is then degraded. Also inhibits cellular uptake of polyamines by inactivating the polyamine uptake transporter.,similarity:Belongs to the ODC antizyme family.,</p>
Subcellular Location :	nucleus,cytoplasm,cytosol,
Expression :	Brain,Fibroblast,Lymphoma,
Tag :	orthogonal
Sort :	2539
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using OAZ1 Antibody. The picture on the right is blocked with the synthesized peptide.