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OAZ2 rabbit pAb

Cat#: orb772838 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	OAZ2 rabbit pAb	
Host species	Rabbit	
Applications	WB;ELISA	
Species Cross-Reactivity	Human;Mouse	
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000	
Immunogen	Synthesized peptide derived from human protein . at AA range: 90-170	
Specificity	OAZ2 Polyclonal Antibody detects endogenous levels of protein.	
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Protein Name	Ornithine decarboxylase antizyme 2 (AZ2) (ODC-Az 2)	
Gene Name	OAZ2	
Cellular localization	Nucleus.	
Purification	The antibody was affinity-purified from rabbit antiserum by affinity- chromatography using epitope-specific immunogen.	
Clonality	Polyclonal	



Concentration	1 mg/ml
Observed band	20kD
Human Gene ID	4947
Human Swiss-Prot Number	O95190
Alternative Names	
Background	The protein encod

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 polyamines. 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 2, the second member of the antizyme family. Like antizyme 1, antizyme 2 has broad tissue distribution, inhibits ODC activity and polyamine uptake, and stimulates ODC degradation in vivo; however, it fails to promote ODC degradation in vitro. Antizyme 2 is expressed at lower levels than antizyme 1, but is evolutionary more conserved, suggesting it likely has an important biological role. Studies also show different sub



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4°over night