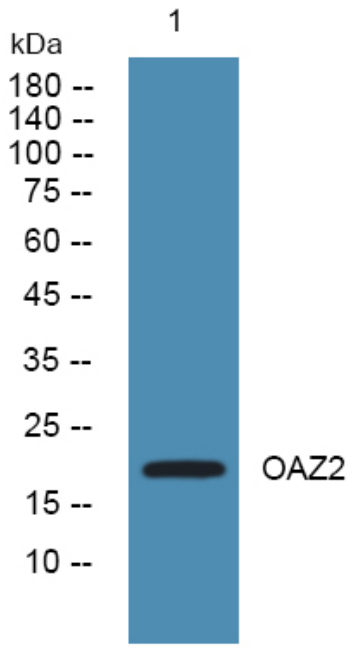
OAZ2 Polyclonal Antibody

Catalog No	YP-Ab-05890
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	OAZ2
Protein Name	Ornithine decarboxylase antizyme 2 (AZ2) (ODC-Az 2)
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.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	20kD
Cell Pathway	Nucleus .
Tissue Specificity	
Function	alternative products:A ribosomal frameshift occurs between the codons for Ser-32 and Asp-33. An autoregulatory mechanism enables modulation of frameshifting according to the cellular concentration of polyamines,function:Binds to, and destabilizes, ornithine decarboxylase. Does not accelerate ornithine decarboxylase degeneration.,similarity:Belongs to the ODC antizyme family.,
Background	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
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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