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Goat anti-OAZ1 (aa120-132) Antibody

Peptide-affinity purified goat antibody
Catalog # AF4411a

Product Information

Application	WB, Pep-ELISA
Primary Accession	P54368
Other Accession	NP_004143.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Clone Names	OAZ1
Calculated MW	25406

Additional Information

Gene ID	4946
Other Names	OAZ1; ornithine decarboxylase antizyme 1; AZI; OAZ; ODC-Az; antizyme 1
Dilution	WB~~1:1000 Pep-ELISA~~N/A
Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Goat anti-OAZ1 (aa120-132) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	OAZ1
Synonyms	OAZ
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 (PubMed:17900240, PubMed:26305948, PubMed:26443277). Triggers ODC degradation by inducing the exposure of a cryptic proteasome-interacting surface of ODC (PubMed:26305948). Stabilizes AZIN2 by

interfering with its ubiquitination (PubMed:17900240). 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 (PubMed:12097147).