

Anti-OAZ3 Antibody

Catalog # AP51812

Product Information

Application	WB
Primary Accession	Q9UMX2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27413

Additional Information

Gene ID	51686
Other Names	Ornithine decarboxylase antizyme 3; AZ3; ODC-Az 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human OAZ3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

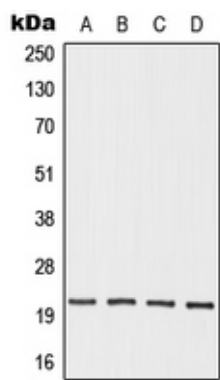
Protein Information

Name	OAZ3
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 homodimers. Does not target the ODC monomers for degradation, which allows a protein synthesis-independent restoration of ODC activity (PubMed: 17900240). Stabilizes AZIN2 by interfering with its ubiquitination. Involved in the translocation of AZIN2 from ER- Golgi intermediate compartment (ERGIC) to the cytosol. Probably plays a key role in spermatogenesis by regulating the intracellular concentration of polyamines in haploid germ cells (By similarity).
Cellular Location	Nucleus. Cytoplasm.
Tissue Location	Testis specific.

References

Ivanov I.P.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:4808-4813(2000).

Images



Western blot analysis of OAZ3 expression in HEK293T (A), Jurkat (B), mouse testis (C), rat testis (D) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 21 kD)

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