10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OAZ Antibody (N-Term, near)

Peptide-affinity purified goat antibody
Catalog # AF2745a

Specification

OAZ Antibody (N-Term, near) - Product Information

Application	**E**
Primary Accession	Q2M1K9
Other Accession	NP_055884.2, 23090, 94187 (mouse)
Predicted	**Human, Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**144605**

OAZ Antibody (N-Term, near) - Additional Information

Gene ID 23090

Other Names
Zinc finger protein 423, Olf1/EBF-associated zinc finger protein, hOAZ, Smad- and Olf-interacting zinc finger protein, ZNF423, KIAA0760, NPHP14, OAZ

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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
OAZ Antibody (N-Term, near) is for research use only and not for use in diagnostic or therapeutic procedures.

OAZ Antibody (N-Term, near) - Protein Information

Name ZNF423

Synonyms KIAA0760, NPHP14, OAZ

Function
Transcription factor that can both act as an activator or a repressor depending on the context. Plays a central role in BMP signaling and olfactory neurogenesis. Associates with SMADs in response to BMP2 leading to activate transcription of BMP target genes. Acts as a transcriptional repressor via its interaction with EBF1, a transcription factor involved in terminal olfactory receptor neurons differentiation; this interaction preventing EBF1 to bind DNA and activate

olfactory-specific genes. Involved in olfactory neurogenesis by participating in a developmental switch that regulates the transition from differentiation to maturation in olfactory receptor neurons. Controls proliferation and differentiation of neural precursors in cerebellar vermis formation.

Cellular Location
Nucleus.

Tissue Location
Expressed in brain, lung, skeletal muscle, heart, pancreas and kidney but not liver or placenta. Also expressed in aorta, ovary, pituitary, small intestine, fetal brain, fetal kidney and, within the adult brain, in the substantia nigra, medulla, amygdala, thalamus and cerebellum.

OAZ Antibody (N-Term, near) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OAZ Antibody (N-Term, near) - Images

OAZ Antibody (N-Term, near) - References

Zfp423 controls proliferation and differentiation of neural precursors in cerebellar vermis formation. Alcaraz WA, Gold DA, Raponi E, Gent PM, Concepcion D, Hamilton BA. Proc Natl Acad Sci U S A. 2006 Dec 19;103(51):19424-9. Epub 2006 Dec 6. PMID: 17151198