

Rabbit anti-Human KAL1 Polyclonal Antibody | anti-KAL1 antibody

KAL1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324458	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

KAL1; Polyclonal Antibody; KAL1 Antibody; Adhesion molecule-like X-linked; ADMLX; Anosmin-1; HHA; KAL; KALIG 1; KALIG1; Kallmann syndrome 1 sequence (anosmin 1); Kallmann syndrome 1 sequence; Kallmann syndrome interval gene 1; Kallmann syndrome protein; KALM; KALM_HUMAN; KMS; OTTHUMP00000022873; anti-KAL1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	KAL1 antibody detects endogenous levels of total KAL1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	680
Applicable Applications for anti-KAL1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Surface.
Tissue Specificity	Expressed in the cerebellum (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HuvEc cells, using KAL1 antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA324458 staining HuvEc by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-KAL1 antibody	Function: Has a dual branch-promoting and guidance activity, which may play an important role in the patterning of mitral and tufted cell collaterals to the olfactory cortex (By similarity). Chemoattractant for fetal olfactory epithelial cells. Subunit Structure: Interacts with FGFR1; this interaction does not interfere with FGF2-binding to FGFR1. Binds heparin. Heparin may promote or interfere with ANOS1-FGFR1-FGF2 complex formation depending on the sequential order of its binding to the various constituents. For instance, heparin-ANOS1 interaction favors subsequent binding to pre-existing binary FGFR1-FGF2 complex, while heparin-FGF2 complex does not interact with ANOS1-FGFR1. Post-translational Modifications: N-glycosylated. May be proteolytically cleaved at the cell surface and released from the cell surface.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119395746
NCBI GeneID	3730
NCBI Accession #	NP_000207.2
NCBI GenBank Nucleotide #	NM_000216.3
UniProt Accession #	P23352; B2RPF8
Molecular Weight	Observed: 76 kD Predicted: 77 kDa
NCBI Official Full Name	anosmin-1
NCBI Official Synonym Full Names	anosmin 1
NCBI Official Symbol	ANOS1
NCBI Official Synonym Symbols	HH1; HHA; KAL; KMS; KAL1; ADMLX; WFDC19; KALIG-1
NCBI Protein Information	anosmin-1
UniProt Protein Name	Anosmin-1
UniProt Gene Name	ANOS1
UniProt Synonym Gene Names	ADMLX; KAL; KAL1; KALIG1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/kal1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324458>