Best Tools for immunology Research

KALIG-1 Polyclonal Antibody

Catalog No :	YT2448
Reactivity :	Human
Applications :	WB;IHC
Target :	KALIG-1
Gene Name :	KAL1
Protein Name :	Anosmin-1
Human Gene Id :	3730
Human Swiss Prot No :	P23352
Immunogen :	The antiserum was produced against synthesized peptide derived from human KAL1. AA range:151-200
Specificity :	KALIG-1 Polyclonal Antibody detects endogenous levels of KALIG-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	76kD
Background :	Mutations in this gene cause the X-linked Kallmann syndrome. The encoded protein is similar in sequence to proteins known to function in neural cell adhesion

and axonal migration. In addition, this cell surface protein is N-glycosylated and may have anti-protease activity. [provided by RefSeq, Jul 2008],

Function : disease:Defects in KAL1 are the cause of Kallmann syndrome type 1 (KAL1) [MIM:308700]; also known as hypogonadotropic hypogonadism and anosmia. Anosmia or hyposmia is related to the absence or hypoplasia of the olfactory bulbs and tracts. Hypogonadism is due to deficiency in gonadotropin-releasing hormone and probably results from a failure of embryonic migration of gonadotropin-releasing hormone-synthesizing neurons. In some patients other developmental anomalies can be present, which include renal agenesis, cleft lip and/or palate, selective tooth agenesis, and bimanual synkinesis. In some cases anosmia may be absent or inconspicuous.,function:May be an adhesion-like molecule with anti-protease activity.,PTM:N-glycosylated.,similarity:Contains 1 WAP domain.,similarity:Contains 4 fibronectin type-III domains.,

Subcellular Location : Cell membrane ; Peripheral membrane protein . Secreted . Proteolytic cleavage may release it from the cell surface into the extracellular space.

Expression : Expressed in the cerebellum (at protein level).

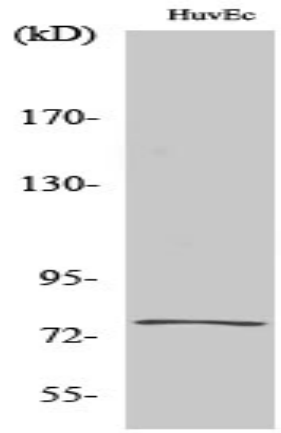
Sort : 8829

No4 : 1

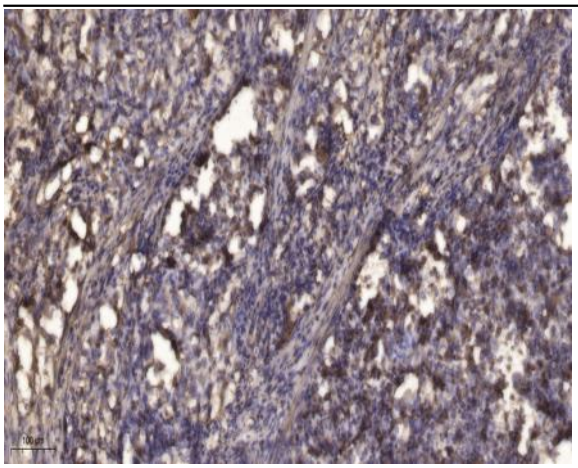
Host : Rabbit

Modifications : Unmodified

Products Images



Western Blot analysis of various cells using KALIG-1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).