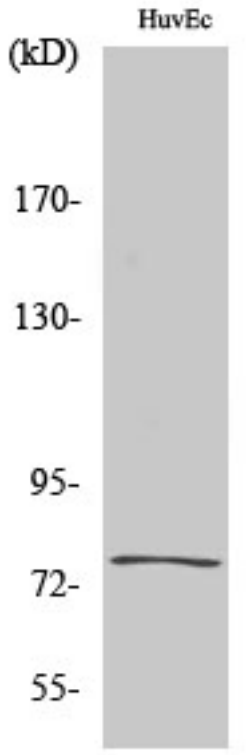
KALIG-1 Polyclonal Antibody

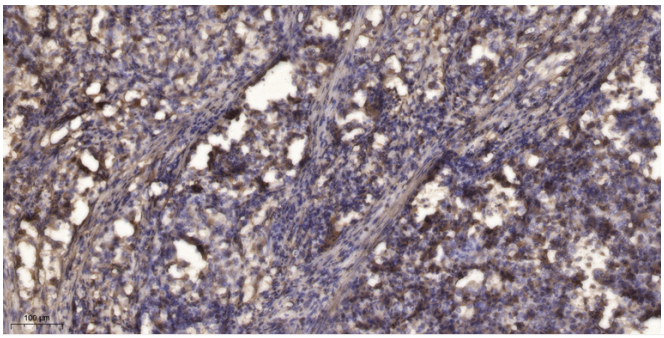
Catalog No	BYab-17036
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	KAL1
Protein Name	Anosmin-1
Immunogen	The antiserum was produced against synthesized peptide derived from human KAL1. AA range:151-200
Specificity	KALIG-1 Polyclonal Antibody detects endogenous levels of KALIG-1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KAL1; ADMLX; KAL; KALIG1; Anosmin-1; Adhesion molecule-like X-linked; Kallmann syndrome protein
Observed Band	76kD
Cell Pathway	Cell membrane ; Peripheral membrane protein . Secreted . Proteolytic cleavage may release it from the cell surface into the extracellular space.
Tissue Specificity	Expressed in the cerebellum (at protein level).
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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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).