SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Primary Antibody]

Rabbit Anti-Wnt1 antibody

Catalog Number: SL23583R

FOR RESEARCH USE ONLY

[DATASHEET]

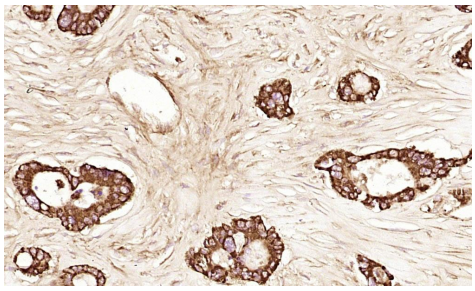
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Wnt1
Immunogen:	KLH conjugated synthetic peptide derived from human Wnt1: 201-300/370
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse(predicted:Pig,Horse,Rabbit)
Predicted MW.:	39kDa
Subcellular Location:	Extracellular matrix Secretory protein
Background:	The WNT gene family consists of structurally related genes which encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. This gene is a member of the WNT gene family. It is very conserved in evolution, and the protein encoded by this gene is known to be 98% identical to the mouse Wnt1 protein at the amino acid level. The studies in mouse indicate that the Wnt1 protein functions in the induction of the mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. This gene is clustered with another

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

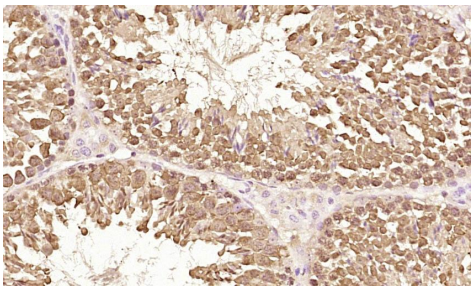
SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

	family member, WNT10B, in the chromosome 12q13 region. **Function:** Ligand for members of the frizzled family of seven transmembrane receptors. In some developmental processes, is also a ligand for the coreceptor RYK, thus triggering Wnt signaling. Probable developmental protein. May be a signaling molecule important in CNS development. Is likely to signal over only few cell diameters. **Subunit:** Interacts with PORCN. Interacts with RSPO1, RSPO2 and RSPO3 (By similarity). Interacts with WLS (By similarity). **Subcellular Location:** Secreted, extracellular space, extracellular matrix. **Post-translational modifications:** Palmitoylation at Ser-224 is required for efficient binding to frizzled receptors. It is also required for subsequent palmitoylation at Cys-93. Palmitoylation is necessary for proper trafficking to cell surface. **Similarity:** Belongs to the Wnt family. **Database links:** **Entrez Gene:** 7471 Human **Entrez Gene:** 22408 Mouse **Entrez Gene:** 24881 Rat Omim: 164820 Human **SwissProt:** P04628 Human **SwissProt:** P04426 Mouse **Unigene:** 248164 Human **Unigene:** 1123 Mouse

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (human cervical carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Wnt1) Polyclonal Antibody, Unconjugated (SL23583R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Wnt1) Polyclonal Antibody, Unconjugated (SL23583R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.