



Rabbit Anti-IGSF1 antibody

SL9194R

Product Name:	IGSF1
Chinese Name:	抑制素Binding protein抗体
Alias:	PGSF2; IGCD1; IGDC1; Immunoglobulin like domain containing protein 1; Immunoglobulin superfamily member 1; InhBP; Inhibin binding protein; KIAA0364; p120; Pituitary gland specific factor 2; IGSF1_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	80, 144kDa
Cellular localization:	The cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IGSF1:271-380/1336<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	IGSF1 is a highly glycolylated immunoglobulin domain-containing protein. IGSF1 has been shown to act as a coreceptor in inhibin signaling, however, it does not appear to be a high-affinity inhibin receptor by itself. May reduce or inhibit activin A signaling and is believed to be necessary in the mediation of specific effects of inhibin B on activin-

stimulated transcription. IGSF1 has been found to interact with several members of the ACVR family and possibly some members of the BMPR group. There are 3 known isoforms of IGSF1, with 1 and 2 likely being multi-pass membrane proteins. Isoform 3 is believed to be expressed as a secreted form. Expression is high in pancreas, testis and fetal liver, while heart, prostate and small intestine show only moderate expression. IGSF1 may be found at very low levels in brain, muscle, thymus, ovary, colon, fetal lung and fetal kidney. Isoform 3 has been detected in pituitary gland.

Function:

Seems to be a coreceptor in inhibin signaling, but seems not to be a high-affinity inhibin receptor. Antagonizes activin A signaling in the presence or absence of inhibin B (By similarity). Necessary to mediate a specific antagonistic effect of inhibin B on activin-stimulated transcription.

Subunit:

Interacts with INHA (By similarity). In PubMed:12385827 does not interact with INHA; standard receptor binding assay. Interacts with ACVR1B; the interaction appears to be ligand-dependent as it is diminished by inhibin B and activin A. Interacts with ACVR2A, ACVR2B, ACVRL1 and BMPR1B. Interacts with HECTD1.

Subcellular Location:

Isoforms 1 and 2: Membrane; Multipass membrane protein (Potential). Isoform 3: Secreted.

Tissue Specificity:

Highly expressed in pancreas, testis and fetal liver. Moderately expressed in heart, prostate and small intestine. Expressed at very low levels in brain, thymus, ovary, colon, fetal lung and fetal kidney. Expressed in muscle. Isoform 3 is expressed in pituitary gland.

Similarity:

Contains 12 Ig-like C2-type (immunoglobulin-like) domains.

SWISS:

Q8N6C5

Gene ID:

3547

Database links:

[Entrez Gene: 3547](#)Human

[Omim: 300137](#)Human

[SwissProt: Q8N6C5](#)Human

[Unigene: 22111](#)Human

Important Note:

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

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