

IGSF1 Rabbit pAb

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Catalog # AP59178

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8N6C5
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	148936
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human IGSF1
Epitope Specificity	271-380/1336
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoforms 1 and 2: Membrane; Multipass membrane protein (Potential). Isoform 3: Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	IGSF1 is a highly glycosylated 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.

Additional Information

Gene ID	3547
Other Names	Immunoglobulin superfamily member 1, IgSF1, Immunoglobulin-like domain-containing protein 1, Inhibin-binding protein, InhBP, Pituitary gland-specific factor 2, p120, IGSF1, IGDC1, KIAA0364, PGSF2
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:50-200

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.
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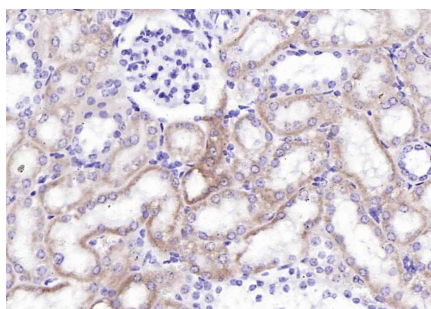
Protein Information

Name	IGSF1
Synonyms	IGDC1, KIAA0364, PGSF2
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.
Cellular Location	[Isoform 1]: Membrane; Multi-pass membrane protein [Isoform 3]: Secreted.
Tissue Location	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.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); 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; Incubation with (IGSF1) Polyclonal Antibody, Unconjugated (AP59178) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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