10320 Camino Santa Fe, Suite G
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IGSF1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59178

Specification

IGSF1 Polyclonal Antibody - Product Information

Application	**IHC-P, IHC-F, IF, ICC, E**
Primary Accession	Q8N6C5
Reactivity	**Rat, Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**80, 144 KDa**
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.**
SIMILARITY	**Contains 12 Ig-like C2-type (immunoglobulin-like) domains.**
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.**
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 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.

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IGSF1 Polyclonal Antibody - 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

Target/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.

Dilution
IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage
Store at -20 ℃ 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 ℃.

IGSF1 Polyclonal Antibody - 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.

IGSF1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation

- Flow Cytomety
- Cell Culture

IGSF1 Polyclonal Antibody - Images