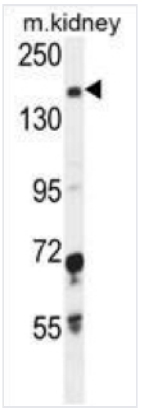
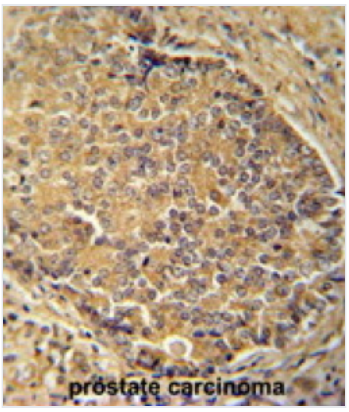
IGSF1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	IGSF1, Polyclonal Antibody
Full Product Name	IGSF1, CT (IGSF1, IGDC1, KIAA0364, PGSF2, Immunoglobulin superfamily member 1, Immunoglobulin-like domain-containing protein 1, Inhibin-binding protein, Pituitary gland-specific factor 2, p120) (MaxLight 490)
Product Gene Name	anti-IGSF1 antibody
Product Synonym Names	IGSF1; IGDC1; KIAA0364; PGSF2; Immunoglobulin superfamily member 1; Immunoglobulin-like domain-containing protein 1; Inhibin-binding protein; Pituitary gland-specific factor 2; p120
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490.
Purity/Purification	Purified by Protein A and Peptide Affinity Chromatography.
Specificity	Recognizes human IGSF1. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight490 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	300137
3D Structure	ModBase 3D Structure for Q8N6C5
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 1270-1297 in the C-terminal region of human IGSF1, UniProt Accession #Q8N6C5. Species sequence homology: rat
Conjugate	MaxLight490
Note	Preservative Free
Product Categories/Family for anti-IGSF1 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-IGSF1 antibody	Immunohistochemistry (IHC) Paraffin, FLISA, Western Blot (WB)
Application Notes for anti-IGSF1 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-IGSF1 antibody	MBS6309580 is an antibody targeting IGSF1. Also known as IGSF1, CT (IGSF1, IGDC1, KIAA0364, PGSF2, Immunoglobulin superfamily member 1, Immunoglobulin-like domain-containing protein 1, Inhibin-binding protein, Pituitary gland-specific factor 2, p120) (MaxLight 490). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-IGSF1 antibody	1. Robakis, T., et al. J. Biol. Chem. 283(52):36369-36376(2008). 2. Nakayama, M., et al. Genome Res. 12(11):1773-1784(2002). 3. Tanaka, S., et al. J. Mol. Endocrinol. 28(1):33-44(2002). 4. Gui, Y., et al. J. Clin. Endocrinol. Metab. 86(5):2104-2110(2001). 5. Chapman, S.C., et al. Mol. Endocrinol. 15(4):668-679(2001).
Other Notes	Small volumes of anti-IGSF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-IGSF1 antibody
Western Blot analysis in mouse kidney tissue lysates (35ug/lane) usingMBS6001603. This demonstrates that MBS6001603 detected the IGSF1 protein (arrow).



Immunohistochemistry (IHC) of anti-IGSF1 antibody
Immunohistochemistry analysis in formalin fixed and paraffin embedded human prostate carcinoma using MBS6001603 followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of MBS6001603 for immunohistochemistry.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGSF1. It may not necessarily be applicable to this product.

NCBI GI #	283436133
NCBI GeneID	3547
NCBI Accession #	NP_001164433.1
UniProt Primary Accession #	Q8N6C5
UniProt Related Accession #	Q8N6C5
GenBank Nucleotide #	NP_001164433.1
NCBI Official Full Name	immunoglobulin superfamily member 1 isoform 4
NCBI Official Synonym Full Names	immunoglobulin superfamily member 1
NCBI Official Symbol	IGSF1
NCBI Official Synonym Symbols	CHTE; p120; IGCD1; IGDC1; INHBP; PGSF2
UniProt Protein Name	Immunoglobulin superfamily member 1
UniProt Synonym Protein Names	Immunoglobulin-like domain-containing protein 1; Inhibin-binding protein; InhBP; Pituitary gland-specific factor 2; p120
Protein Family	Immunoglobulin superfamily
UniProt Gene Name	IGSF1
UniProt Synonym Gene Names	IGDC1; KIAA0364; PGSF2; IgSF1; InhBP
UniProt Entry Name	IGSF1_HUMAN
NCBI Protein Information	immunoglobulin superfamily member 1
NCBI Summary for IGSF1	This gene encodes a member of the immunoglobulin-like domain-containing superfamily. Proteins in this superfamily contain varying numbers of immunoglobulin-like domains and are thought to participate in the regulation of interactions between cells. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]

UniProt Comments for IGSF1	IGSF1: 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. Necessary to mediate a specific antagonistic effect of inhibin B on activin-stimulated transcription. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Immunoglobulin superfamily; Membrane protein, multi-pass; Membrane protein, integral; Motility/polarity/chemotaxis; Receptor, misc. Chromosomal Location of Human Ortholog: Xq25 Cellular Component: membrane; integral to membrane; extracellular region Molecular Function: protein binding; coreceptor activity; receptor activity Biological Process: regulation of transcription, DNA-dependent; signal transduction Disease: Hypothyroidism, Central, And Testicular Enlargement
Research Articles on IGSF1	**1.** somatotrope neurosecretory hyperfunction in IGSF1-deficient humans and mice.
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