

Rabbit INSL3 Polyclonal Antibody | anti-INSL3 antibody

INSL3 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA268618	Rabbit	Human, Rat, Mouse	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

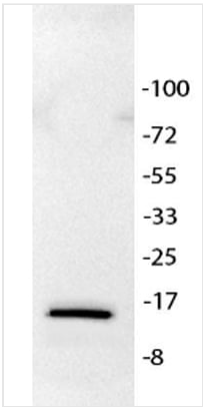
PRODUCT SYNONYMS

INSL3; Polyclonal Antibody; INSL3 Rabbit pAb; RLF; RLNL; ley-I-L; anti-INSL3 antibody

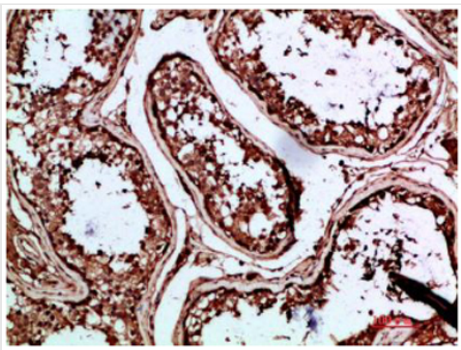
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	The antibody detects endogenous INSL3
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	157
Applicable Applications for anti-INSL3 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-131 of human INSL3 (NP_005534.2).
Cellular Localization	Secreted
Expression	Expressed in prenatal and postnatal Leydig cells. Found as well in the corpus luteum, trophoblast, fetal membranes and breast.
Function	Disease:Defects in INSL3 seems to be a cause of cryptorchidism [MIM:219050]; also known as impaired testicular descent. It is one of the most frequent congenital abnormalities in humans, involving 2-5% of male births. Cryptorchidism is associated with increased risk of infertility and testicular cancer. the frequency of INSL3 gene mutations as a cause of cryptorchidism is low.,function:Seems to play a role in testicular function. May be a trophic hormone with a role in testicular descent in fetal life. Is a ligand for LGR8 receptor.,similarity:Belongs to the insulin family.,subunit:Heterodimer of a B chain and an A chain linked by two disulfide bonds.,tissue specificity:Expressed in prenatal and postnatal Leydig cells. Found as well in the corpus luteum, trophoblast, fetal membranes and breast.
Preparation and Storage	-15°C to -25°C/1 year (Do not lower than -25°C)

IMAGES



WB (Western Blot)
Western blot analysis of INSL3 in SNU-308 cells lysates using INSL3 antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human-testis, INSL3 antibody was diluted at 1:200.

ADDITIONAL INFORMATION

Related Product Information for anti-INSL3 antibody	This gene encodes a member of the insulin-like hormone superfamily. The encoded protein is mainly produced in gonadal tissues. Studies of the mouse counterpart suggest that this gene may be involved in the development of urogenital tract and female fertility. This protein may also act as a hormone to regulate growth and differentiation of gubernaculum, and thus mediating intra-abdominal testicular descent. Mutations in this gene may lead to cryptorchidism. Alternate splicing results in multiple transcript variants. [provided by RefSeq, May 2012].
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NCBI AND UNIPROT INFORMATION

NCBI GI #	388240756
NCBI GeneID	3640
NCBI Accession #	NP_001252516.1
NCBI GenBank Nucleotide #	NP_001252516.1
UniProt Accession #	P51460
Molecular Weight	15kDa
NCBI Official Full Name	insulin-like 3 isoform 1
NCBI Official Synonym Full Names	insulin like 3
NCBI Official Symbol	INSL3
NCBI Official Synonym Symbols	RLF; RLNL; ley-I-L
NCBI Protein Information	insulin-like 3
UniProt Protein Name	Insulin-like 3
UniProt Gene Name	INSL3
UniProt Synonym Gene Names	RLF; RLNL; Ley-I-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.