



INSL3 Polyclonal Antibody

Catalog No	BYab-10659
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IHC;IF;ELISA
Gene Name	INSL3 RLF RLNL
Protein Name	Insulin-like 3 (Leydig insulin-like peptide) (Ley-I-L) (Relaxin-like factor) [Cleaved into: Insulin-like 3 B chain; Insulin-like 3 A chain]
Immunogen	Synthetic peptide from human protein at AA range: 10-50
Specificity	The antibody detects endogenous INSL3
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Insulin-like 3 (Leydig insulin-like peptide;Ley-I-L;Relaxin-like factor) [Cleaved into: Insulin-like 3 B chain; Insulin-like 3 A chain]
Observed Band	
Cell Pathway	Secreted.
Tissue Specificity	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.,

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Background

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],

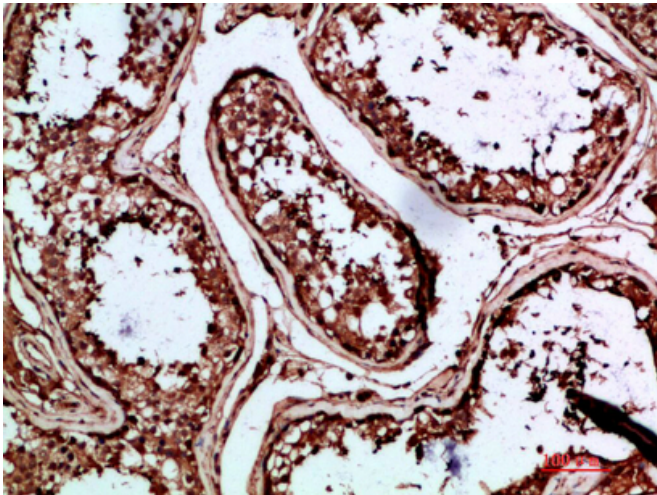
matters needing attention

Avoid repeated freezing and thawing!

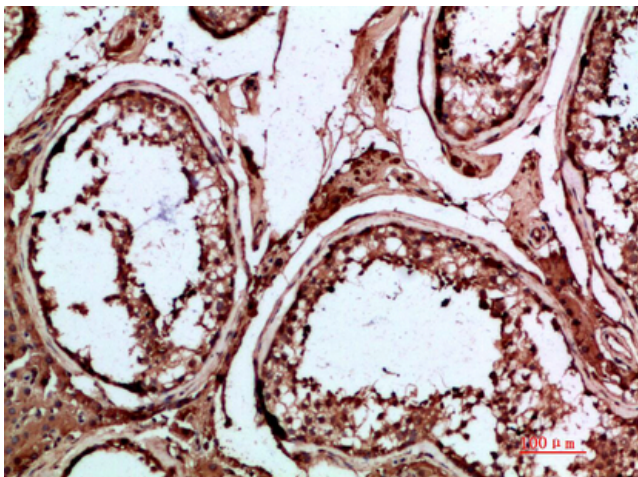
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human-testis, antibody was diluted at 1:200



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