

Product datasheet

Anti-INSL3 antibody [EPR20747] ab224643

Recombinant RabMAb

5 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-INSL3 antibody [EPR20747] |
| Description | Rabbit monoclonal [EPR20747] to INSL3 |
| Host species | Rabbit |
| Tested applications | Suitable for: IHC-P, IP |
| Species reactivity | Reacts with: Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | IHC-P: Human testis, ovary and Leydig tumor tissues. IP: Human testis lysate. |
| General notes | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> |

Properties

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|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | <p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p> |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR20747 |
| Isotype | IgG |

Applications

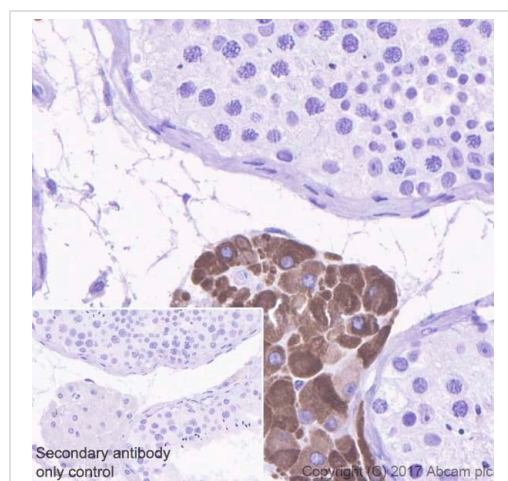
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224643 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| IHC-P | | 1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |
| IP | | 1/30. |

Target

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|-------------------------------|--|
| 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. |
| Tissue specificity | Expressed in prenatal and postnatal Leydig cells. Found as well in the corpus luteum, trophoblast, fetal membranes and breast. |
| Involvement in disease | Defects in INSL3 seems to be a cause of cryptorchidism (CRYPTO) [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. |
| Sequence similarities | Belongs to the insulin family. |
| Cellular localization | Secreted. |

Images

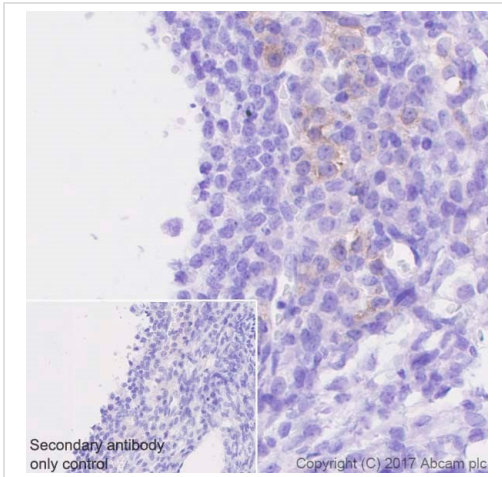


Immunohistochemical analysis of paraffin-embedded human testis tissue labeling INSL3 with ab224643 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in Leydig cells of human testis (PMID: 19329805). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INSL3 antibody [EPR20747] (ab224643)

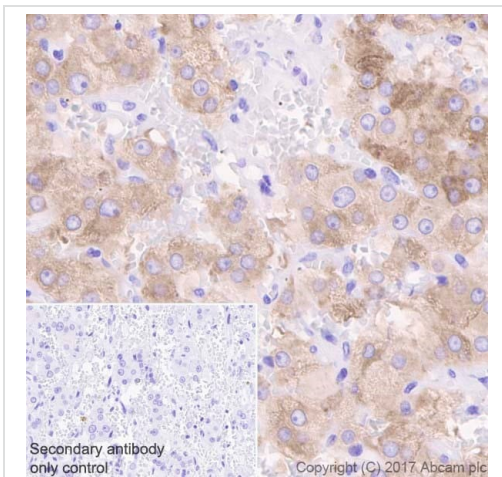


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INS�3 antibody [EPR20747] (ab224643)

Immunohistochemical analysis of paraffin-embedded human ovary tissue labeling INSL3 with ab224643 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in thecal cells of human ovary (PMID: 21138583). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

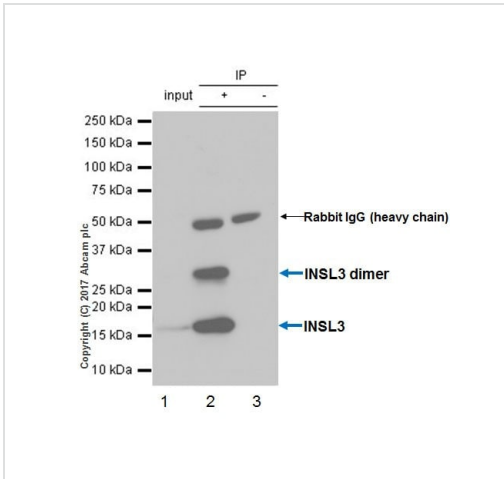


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-INS�3 antibody [EPR20747] (ab224643)

Immunohistochemical analysis of paraffin-embedded human Leydig tumor tissue labeling INSL3 with ab224643 at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Cytoplasmic staining in human Leydig tumor cells (PMID: 25609776). Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-INSL3 antibody
[EPR20747] (ab224643)

INSL3 was immunoprecipitated from 0.35 mg of human testis lysate with ab224643 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab224643 at 1/500 dilution. VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/1000 dilution.

Lane 1: Human testis lysate 10 µg (Input).

Lane 2: ab224643 IP in human testis lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of ab224643 in human testis lysate.

Exposure time: 3 seconds.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Why choose a recombinant antibody?

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|--|--|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

Anti-INSL3 antibody [EPR20747] (ab224643)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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