
Product Name: INSL4 Rabbit Polyclonal Antibody**Catalog #: APRab12625**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	19kDa

Antigen Information

Gene Name	INSL4
Alternative Names	INSL4; Early placenta insulin-like peptide; EPIL; Insulin-like peptide 4; Placentin
Gene ID	3641.0
SwissProt ID	Q14641
Immunogen	The antiserum was produced against synthesized peptide derived from human INSL4. AA range:41-90

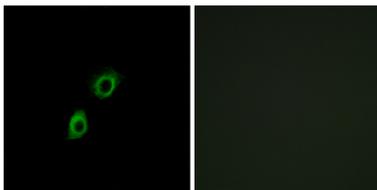
Background

INSL4 encodes the insulin-like 4 protein, a member of the insulin superfamily. INSL4 encodes a precursor that undergoes post-

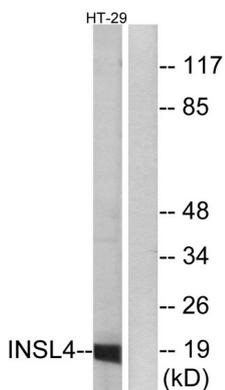
translational cleavage to produce 3 polypeptide chains, A-C, that form tertiary structures composed of either all three chains, or just the A and B chains. Expression of INSL4 products occurs within the early placental cytotrophoblast and syncytiotrophoblast. [provided by RefSeq, Jul 2008],developmental stage:Highly expressed in the early placenta. Expression of epil peptides in the villous cytotrophoblast is different from that displayed by the syncytiotrophoblast. In fetal tissues it was identified in the perichondrium of all four limbs, vertebrae, and ribs. It was abundant in interbone ligaments.,function:May play an important role in trophoblast development and in the regulation of bone formation.,similarity:Belongs to the insulin family.,tissue specificity:Expressed in placenta, uterus and in fetal perichondrium. Expression levels were increased in both early placentas and molar pregnancies and were reduced in choriocarcinoma cells.,

Research Area

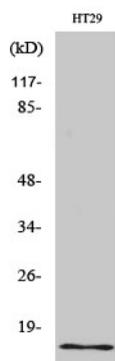
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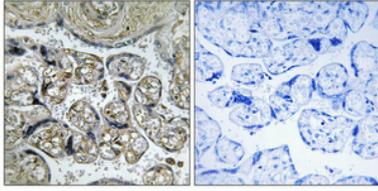
Immunofluorescence analysis of A549 cells, using INSL4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HT-29 cells, using INSL4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using INSL4 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human placenta. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.