



INSL4 Polyclonal Antibody

Catalog No	YP-Ab-15942
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	INSL4
Immunogen	The antiserum was produced against synthesized peptide derived from human INSL4. AA range:41-90
Specificity	INSL4 Polyclonal Antibody detects endogenous levels of INSL4 protein.
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	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	early placenta insulin like peptide (EPIL);Early placenta insulin like peptide A chain;Early placenta insulin like peptide;Early placenta insulin like peptide B chain;Early placenta insulin-like peptide A chain;EPIL;INSL4;INSL4_HUMAN;insulin like 4;insulin like 4 (placenta);Insulin like peptide 4;Insulin-like peptide 4; OTTHUMP2125;Placentin;Early placenta insulin-like peptide
Observed Band	19kD
Calculated Molecular Weight	19kD
Cell Pathway	Secreted .
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.
Function	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.,

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],

matters needing attention

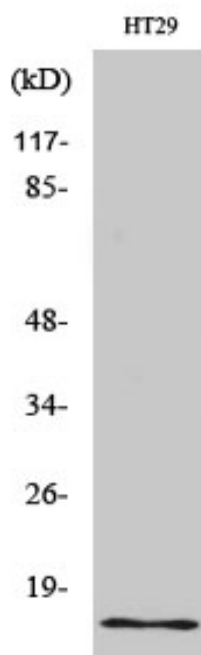
Avoid repeated freezing and thawing!

Usage suggestions

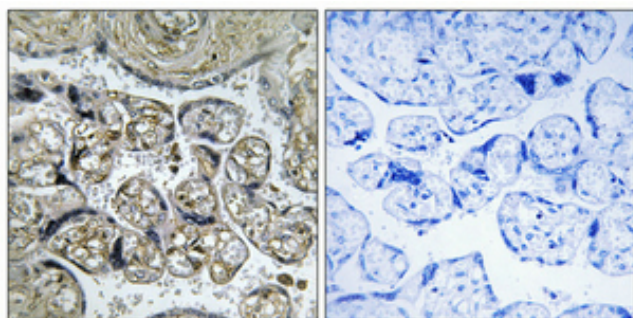
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



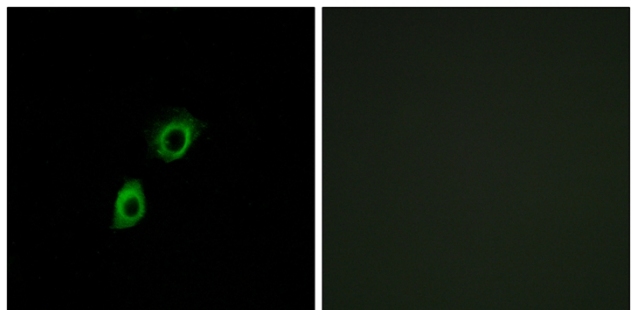
Products Images



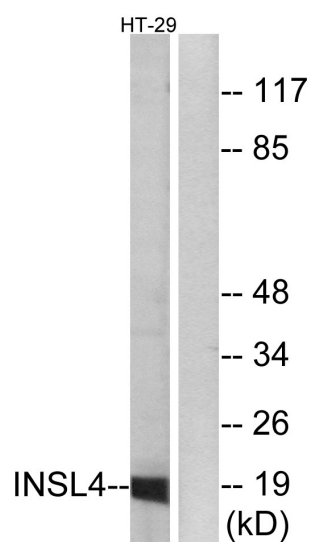
Western Blot analysis of various cells using INSL4 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human placenta. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



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.