

## Product datasheet for **AP01397PU-S**

### INSL4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000. <b>Immunofluorescence:</b> 1/50-1/200. <b>Immunohistochemistry on Paraffin Sections:</b> 1/50-1/200.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	INSL4 antibody detects endogenous levels of INSL4 protein. (region surrounding Leu79)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 with 0.05% Sodium Azide as preservative. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~19 kDa
Gene Name:	insulin like 4
Database Link:	<a href="#">Entrez Gene 3641 Human Q14641</a>



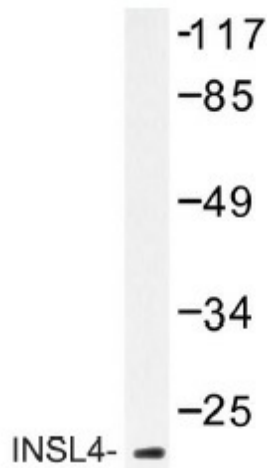
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**Background:**

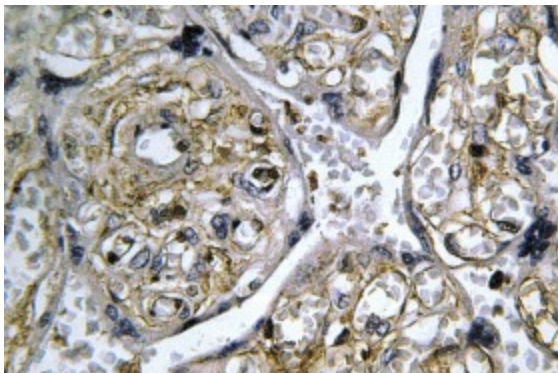
Insulin is a secreted peptide hormone that elicits metabolic effects such as increases in glucose uptake and glycogen synthesis leading to a decrease in blood glucose concentration. Insulin is first formed as a precursor molecule, proinsulin, which is later cleaved to proinsulin and finally to the mature insulin hormone. Insulin-like peptides (INSL proteins), also designated Relaxinlike factors, are members of the insulin family, which regulate cell growth, metabolism and tissue-specific functions. INSL1-7 are mostly secreted proteins that are expressed mainly in testis, placenta, uterus or prenatal tissues. INSL4 is a 139 amino acid secreted protein expressed in the placenta, uterus and in fetal perichondrium. It may play an important role in the regulation of bone formation and in trophoblast development.

**Synonyms:**

Placentin

**Product images:**

Western blot (WB) analysis of INSL4 antibody (Cat.-No.: [AP01397PU-N]) in extracts from HT-29 cells.



Immunohistochemistry (IHC) analyzes of INSL4 antibody (Cat.-No.: [AP01397PU-N]) in paraffin-embedded human placenta tissue.