

Product datasheet for **AP20147PU-N**

Cripto1 (TDGF1) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	Peptide ELISA: 1/128000 (Detection Limit) Immunohistochemistry on Paraffin Sections: 3-5 µg/ml. In paraffin embedded Human Placenta shows staining associated with nuclei in some trophoblasts and weak cytoplasm staining in cytotrophoblasts.
Reactivity:	Bovine, Canine, Human, Mouse, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_003203.1.
Specificity:	Recognizes CRIPTO
Formulation:	Tris saline, pH~7.3 State: Aff - Purified State: Liquid purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
Conjugation:	Unconjugated
Storage:	Store 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.
Gene Name:	teratocarcinoma-derived growth factor 1
Database Link:	Entrez Gene 6997 Human P13385



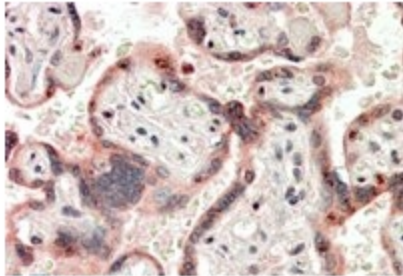
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Background:

Human Cripto-1 (CR-1), also known as Teratocarcinoma-derived growth factor 1 (TDGF1), is a member of the epidermal growth factor (EGF)-GFC family and has been implicated in both embryogenesis and carcinogenesis. During early vertebrate development, CR-1 functions as a co-receptor for Nodal, a transforming growth factor beta (TGFbeta) family member, and is essential for mesoderm and endoderm formation and anterior-posterior and left-right axis establishment. In adult tissues, CR-1 is expressed at a low level in all stages of mammary gland development, and expression increases during pregnancy and lactation. Over-expression of CR-1 in mouse mammary epithelial cells leads to their transformation in vitro, and when injected in mammary glands, CR-1 produces ductal hyperplasias.

Synonyms:

Cripto-1 growth factor, CRGF

Product images:

Immunohistochemistry: CRIPTO Antibody staining of Paraffin Embedded Human Placenta at 3.8 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.