

Product datasheet for **TA319168**

Cripto1 (TDGF1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:105,000, WB: 1:1000, IHC: User Optimized
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal sequence of human Cripto-1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	teratocarcinoma-derived growth factor 1
Database Link:	NP_001167607 Entrez Gene 6997 Human P13385
Synonyms:	CR; CRGF; CRIPTO

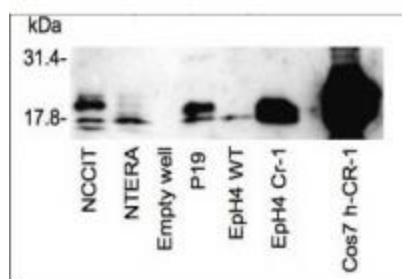


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Note: This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Human Cripto-1 (CR-1), also known as Teratocarcinoma-derived growth factor 1 (TDGF1), is a member of the epidermal growth factor (EGF)-GFC family and has been implicated in both embryogenesis and carcinogenesis. During early vertebrate development, CR-1 functions as a co-receptor for Nodal, a transforming growth factor b (TGFB) 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.

Protein Families: Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane

Product images:



WB using Anti-Cripto-1 shows detection of endogenous and transfected Cripto-1 from mouse or human. Endogenous detection using mouse P19 embryonal carcinoma cells and human NCCIT testicular embryonal carcinoma cells. Eph4 CR-1 is a mouse mammary epithelial cell line stably expressing Cripto-1. NTERA cells are human embryonal carcinoma cells that, when overgrown, differentiate and lose Cripto-1 expression. COS7 cells transfected with human Cripto-1 expression vector were used as a positive control and Eph4 WT cells were used as a negative control. Dilution: 1:500.