

Rabbit anti-Human CRIPTO (TDGF1) Polyclonal Antibody | anti-TDGF1 antibody

CRIPTO (TDGF1) Antibody (N-term)

CATALOG # AAA289269	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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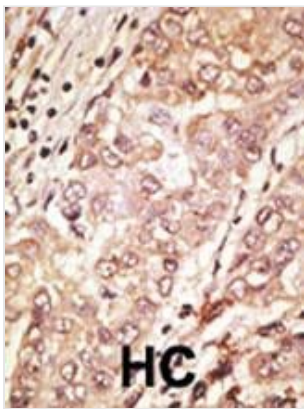
PRODUCT SYNONYMS

CRIPTO (TDGF1); Polyclonal Antibody; CRIPTO (TDGF1) Antibody (N-term); Teratocarcinoma-derived growth factor 1; Cripto-1 growth factor; CRGF; Epidermal growth factor-like cripto protein CR1; TDGF1; CRIPTO; anti-TDGF1 antibody

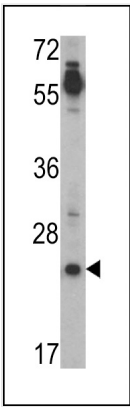
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CRIPTO (TDGF1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-48 amino acids from the N-terminal region of human CRIPTO (TDGF1).
Purity/Purification	This anitbody was purified through a Protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	18-48
Sequence Length	172
Applicable Applications for anti-TDGF1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	GPI-anchored cell membrane protein involved in Nodal signaling. Cell-associated TDGF1 acts as a Nodal coreceptor in cis. Shedding of TDGF1 by TMEM8A modulates Nodal signaling by allowing soluble TDGF1 to act as a Nodal coreceptor on other cells (PubMed:). Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm (PubMed:)
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Released from the cell membrane by GPI cleavage.
Tissue Location	Preferentially expressed in gastric and colorectal carcinomas than in their normal counterparts. Expressed in breast and lung.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of CRIPTO (TDGF1) Antibody (N-term) in Jurkat cell line lysates (35ug/lane). TDGF1 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-TDGF1 antibody	TDGF1 is expressed both in ES cells and during the early phases of embryo development, while in adults it is reactivated in a wide range of epithelial cancers. This protein could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm. It is preferentially expressed in gastric and colorectal carcinomas compared to their normal counterparts.
Product Categories/Family for anti-TDGF1 antibody	Developmental Biology; Signal Transduction
References	Parisi, S., et al., J. Cell Biol. 163(2):303-314 (2003). Gray, P.C., et al., Proc. Natl. Acad. Sci. U.S.A. 100(9):5193-5198 (2003). Yan, Y.T., et al., Mol. Cell. Biol. 22(13):4439-4449 (2002). de la Cruz, J.M., et al., Hum. Genet. 110(5):422-428 (2002). Dono, R., et al., Am. J. Hum. Genet. 49(3):555-565 (1991).

NCBI AND UNIPROT INFORMATION

NCBI GI #	292494883
NCBI GeneID	6997
NCBI Accession #	NP_001167607.1; NP_003203.1
NCBI GenBank Nucleotide #	NM_001174136.1
UniProt Accession #	P13385; Q8TCC1
Molecular Weight	21169
NCBI Official Full Name	teratocarcinoma-derived growth factor 1 isoform 2
NCBI Official Synonym Full Names	teratocarcinoma-derived growth factor 1
NCBI Official Symbol	TDGF1
NCBI Official Synonym Symbols	CR; CRGF; CRIPTO
NCBI Protein Information	teratocarcinoma-derived growth factor 1
UniProt Protein Name	Teratocarcinoma-derived growth factor 1
UniProt Gene Name	TDGF1

UniProt Synonym Gene Names	CRIPTO; CRGF
UniProt Entry Name	TDGF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cripto-tdgf1-antibody-immunohistochemistry-western-blot-elisa/289269>