

CRIPTO (TDGF1) Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2047a

Specification

CRIPTO (TDGF1) Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P13385
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21169
Antigen Region	18-48

CRIPTO (TDGF1) Antibody (N-term) - Additional Information

Gene ID 6997

Other Names

Teratocarcinoma-derived growth factor 1, Cripto-1 growth factor, CRGF, Epidermal growth factor-like cripto protein CR1, TDGF1, CRIPTO

Target/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).

Dilution

WB~~1:1000
IHC-P~~1:50~100
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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.

Precautions

CRIPTO (TDGF1) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CRIPTO (TDGF1) Antibody (N-term) - Protein Information

Name CRIPTO {ECO:0000303|PubMed:2792079, ECO:0000312|HGNC:HGNC:11701}

Function GPI-anchored cell membrane protein involved in Nodal signaling. Cell-associated CRIPTO acts as a Nodal coreceptor in cis. Shedding of CRIPTO by TMEM8A modulates Nodal signaling by allowing soluble CRIPTO to act as a Nodal coreceptor on other cells (PubMed:[27881714](#)). Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm (PubMed:[11909953](#)).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor. Secreted. Note=Released from the cell membrane by GPI cleavage.

Tissue Location

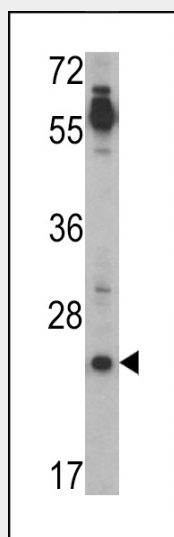
Preferentially expressed in gastric and colorectal carcinomas than in their normal counterparts. Expressed in breast and lung.

CRIPTO (TDGF1) Antibody (N-term) - Protocols

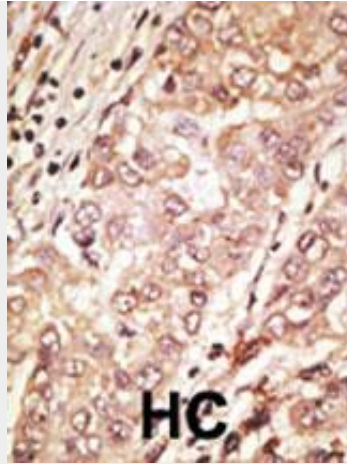
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CRIPTO (TDGF1) Antibody (N-term) - Images



Western blot analysis of CRIPTO (TDGF1) Antibody (N-term) (Cat. #AP2047a) in Jurkat cell line lysates (35ug/lane). TDGF1 (arrow) was detected using the purified Pab.



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.

CRIPTO (TDGF1) Antibody (N-term) - Background

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.

CRIPTO (TDGF1) Antibody (N-term) - 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).