10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

(Mouse) Tdgf1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21040a

Specification

(Mouse) Tdgf1 Antibody (N-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P51865
Reactivity	**Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**18655**

(Mouse) Tdgf1 Antibody (N-term) - Additional Information

Gene ID 21667

Other Names
Teratocarcinoma-derived growth factor, Cripto growth factor, Epidermal growth factor-like Cripto protein, Tdgf1, Cripto

Target/Specificity
This Mouse Tdgf1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 37-70 amino acids from the N-terminal region of mouse Tdgf1.

Dilution
WB~~1:1000
FC~~1:25
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
(Mouse) Tdgf1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

(Mouse) Tdgf1 Antibody (N-term) - Protein Information

Name Cripto

Synonyms Tdgf1

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. Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.

Cellular Location
Cell membrane; Lipid-anchor, GPI-anchor. Secreted {ECO:0000250|UniProtKB:P13385}. Note=Released from the cell membrane by GPI cleavage. {ECO:0000250|UniProtKB:P13385}

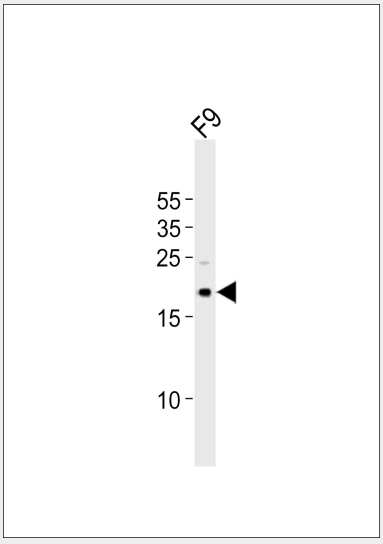
Tissue Location
Expressed at low level in specific organs of the adult animal such as spleen, heart, lung and brain. During gastrulation, expressed in the forming mesoderm. In later stages of the developing heart, expression is restricted to the truncus arteriosus

(Mouse) 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 Cytomety
- Cell Culture

(Mouse) Tdgf1 Antibody (N-term) - Images



Western blot analysis of lysate from mouse F9 cell line, using (Mouse) Tdgf1 Antibody (N-term)(Cat. #AP21040a). AP21040a was diluted at 1:1000. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysate at 20ug.

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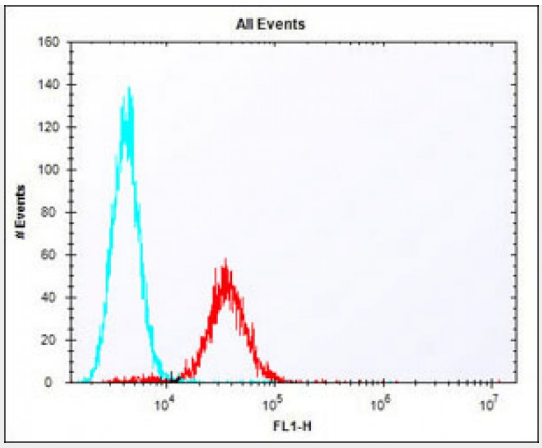

Overlay histogram showing F9 cells stained with AP21040a (red line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP21040a, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

(Mouse) Tdgf1 Antibody (N-term) - Background

Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.

(Mouse) Tdgf1 Antibody (N-term) - References

Dono R.,et al.Development 118:1157-1168(1993).
Liguori G.,et al.Mamm. Genome 7:344-348(1996).
Minchiotti G.,et al.Mech. Dev. 90:133-142(2000).
Calvanese L.,et al.J. Med. Chem. 49:7054-7062(2006).