

Cripto (FL-188): sc-28914

BACKGROUND

Teratocarcinoma-derived growth factor (TDGF)-1 gene encodes a protein known as cripto-1 (Cripto). Cripto is first expressed in the forming mesoderm during gastrulation but later in development the expression is restricted to the truncus arteriosus of the developing heart. This suggests that Cripto mediates the progression of epiblastic cells that give rise to the mesoderm. In the adult animal it is expressed at low levels in the spleen, heart, lung and brain. Cripto overexpression is characteristic of human gastric and colorectal carcinomas.

REFERENCES

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4. Adamson, E.D., et al. 2002. Cripto: a tumor growth factor and more. *J. Cell. Physiol.* 190: 267-278.
5. Parisi, S., et al. 2003. Nodal-dependent Cripto signaling promotes cardiomyogenesis and redirects the neural fate of embryonic stem cells. *J. Cell Biol.* 163: 303-314.
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CHROMOSOMAL LOCATION

Genetic locus: TDGF1 (human) mapping to 3p21.31; Tdgf1 (mouse) mapping to 9 F3.

SOURCE

Cripto (FL-188) is a rabbit polyclonal antibody raised against amino acids 1-188 representing full length Cripto of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

Cripto (FL-188) is recommended for detection of Cripto of human and, to a lesser extent, mouse and rat origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for Cripto siRNA (h): sc-39404, Cripto siRNA (m): sc-39403, Cripto shRNA Plasmid (h): sc-39404-SH, Cripto shRNA Plasmid (m): sc-39403-SH, Cripto shRNA (h) Lentiviral Particles: sc-39404-V and Cripto shRNA (m) Lentiviral Particles: sc-39403-V.

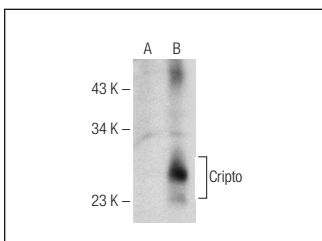
Molecular Weight of BRINP3: 24 kDa.

Positive Controls: Cripto (h2): 293T Lysate: sc-370943.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

DATA



Cripto (FL-188): sc-28914. Western blot analysis of Cripto expression in non-transfected: sc-117752 (A) and human Cripto transfected: sc-370943 (B) 293T whole cell lysates.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

MONOS
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Try **Cripto (H-10): sc-376448**, our highly recommended monoclonal alternative to Cripto (FL-188). Also, for AC, HRP, FITC, PE, Alexa Fluor® 488 and Alexa Fluor® 647 conjugates, see **Cripto (H-10): sc-376448**.