

## **Goat Anti-TROP2 Antibody**

Peptide-affinity purified goat antibody Catalog # AF2114a

# **Specification**

## **Goat Anti-TROP2 Antibody - Product Information**

Application WB, E
Primary Accession P09758

Other Accession <u>NP\_002344</u>, <u>4070</u>, <u>56753 (mouse)</u>

Reactivity Human

Predicted Mouse, Rat, Pig, Dog

Host Goat
Clonality Polyclonal
Concentration 100ug/200ul

Isotype IgG
Calculated MW 35709

# **Goat Anti-TROP2 Antibody - Additional Information**

#### **Gene ID 4070**

## **Other Names**

Tumor-associated calcium signal transducer 2, Cell surface glycoprotein Trop-2, Membrane component chromosome 1 surface marker 1, Pancreatic carcinoma marker protein GA733-1, TACSTD2, GA733-1, M1S1, TROP2

#### **Dilution**

WB~~1:1000 E~~N/A

#### **Format**

0.5 mg lgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## **Precautions**

Goat Anti-TROP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### **Goat Anti-TROP2 Antibody - Protein Information**

#### Name TACSTD2

Synonyms GA733-1, M1S1, TROP2



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#### **Function**

May function as a growth factor receptor.

#### **Cellular Location**

Membrane; Single-pass type I membrane protein.

#### **Tissue Location**

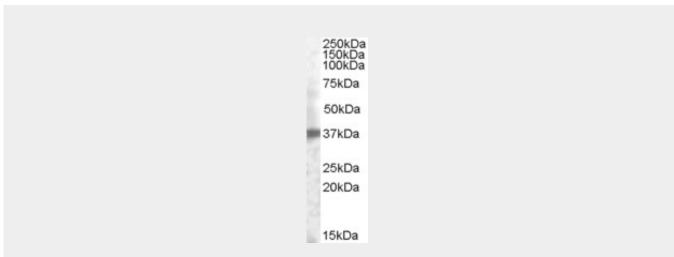
Placenta, pancreatic carcinoma cell lines.

# **Goat Anti-TROP2 Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

### Goat Anti-TROP2 Antibody - Images



AF2114a (0.2 µg/ml) staining of Human Prostate lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-TROP2 Antibody - Background

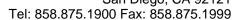
This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

# Goat Anti-TROP2 Antibody - References

Expression of the GA733 gene family and its relationship to prognosis in pulmonary adenocarcinoma. Kobayashi H, et al. Virchows Arch, 2010 Jul. PMID 20473768. Identification and characterization of a novel TACSTD2 mutation in gelatinous drop-like corneal dystrophy. Paliwal P, et al. Mol Vis, 2010 Apr 28. PMID 20454699.

Trop-2 overexpression as an independent marker for poor overall survival in ovarian carcinoma patients. Bignotti E, et al. Eur J Cancer, 2010 Mar. PMID 20060709.







A novel TACSTD2 mutation identified in two Chinese brothers with gelatinous drop-like corneal dystrophy. Jing Y, et al. Mol Vis, 2009 Aug 14. PMID 19693293.

[Expression of TROP2 mRNA in left-sided and right-sided colon cancer and its clinical significance] Xu KY, et al. Zhonghua Wei Chang Wai Ke Za Zhi, 2009 May. PMID 19434540.