

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	NP_002344 , 4070 , 56753 (mouse)
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 IgG/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

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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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.