

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody
Catalog # AN1988**Specification****Anti-Trop-2/TACSTD2 (Extracellular region) Antibody - Product Information**

Application	WB, IHC
Primary Accession	P09758
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Calculated MW	35709

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody - Additional Information

Gene ID 4070

Other Names

Tumor-associated calcium signal transducer 2; Trop-2; Membrane component chromosome 1 surface marker 1; GA733-1; TACSTD2; M1S1; TROP2

Dilution

WB~~1:1000

IHC~~1:100~500

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

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

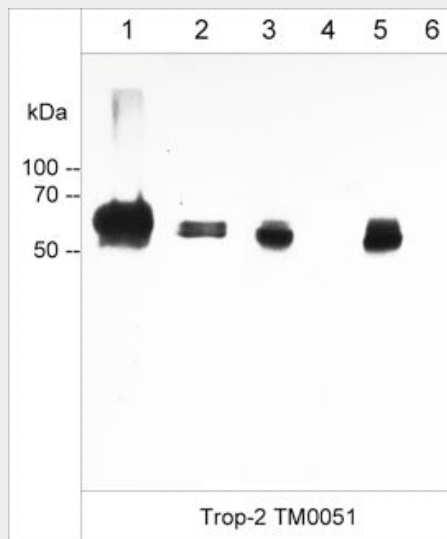
Blue Ice

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody - Protocols

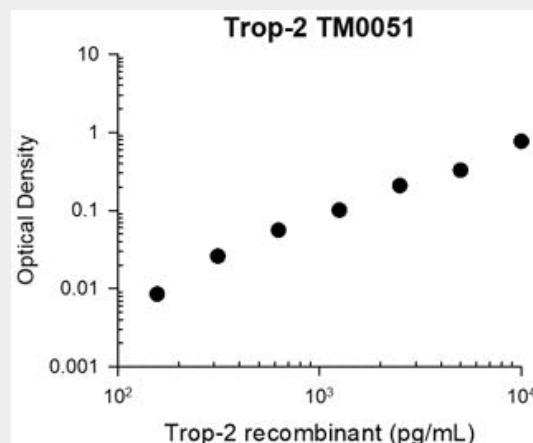
Provided below are standard protocols that you may find useful for product applications.

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

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody - Images



Immunocytochemical labeling of Trop-2 in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-Trop-2 (clone M005). The antibody was detected using goat anti-mouse DyLight® 594.



Representative Standard Curve using mouse monoclonal anti-Trop-2 (TM0051) for ELISA capture of human recombinant Trop-2 extracellular region with His-tag. Capture was detected by using an anti-His-tag antibody followed by appropriate secondary antibody conjugated to HRP.

Anti-Trop-2/TACSTD2 (Extracellular region) Antibody - Background

Trop-2 (TACSTD2) is a transmembrane glycoprotein found on invasive trophoblast cells and in several epithelial type cancer cells. Trop-2 has an extracellular domain with EGF thyroglobulin type-1 repeats, a transmembrane domain and a short cytoplasmic tail with a HIKE domain containing a PIP2 binding site. This glycoprotein functions in many signaling pathways including interaction of its extracellular domain with integrin $\beta 1$ to regulate FAK signaling, interaction of its transmembrane domain with claudin 1 and claudin 7 during tight junction formation, and regulation of intracellular calcium release by its PIP2 binding and activation of the ERK/MAPK pathway. These Trop-2 functions may be important during tumor proliferation, metastasis and invasion.