10320 Camino Santa Fe, Suite G
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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

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 Cytomety
- Cell Culture

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

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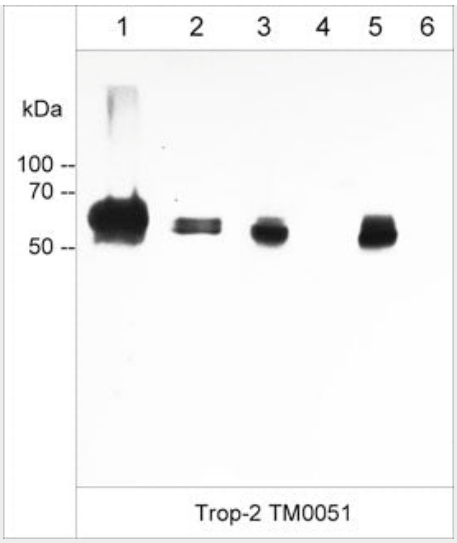
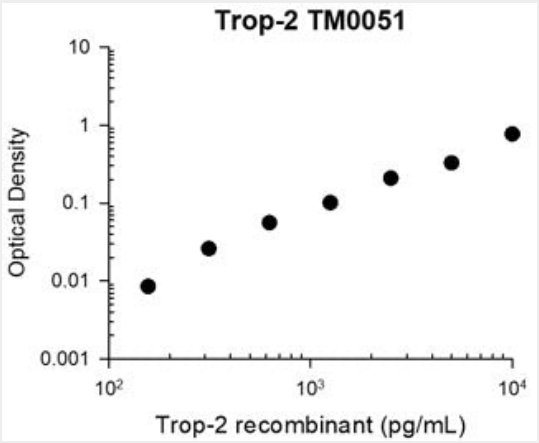


Immunocytochemical labeling of Trop-2 in paraformaldehyde fixed human A431 cells. The cells were labeled with mouse monoclonal anti-Trop-2 (clone M005). The antibody was detected using goat anti-mouse DyLight® 594.



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 β1 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.