

TROP-2 (ECD) Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50374

Clone# BP6341

Predicted Molecular Wt: 36kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: P09758

Background:

TROP-2 or Tumor-associated calcium signal transducer 2, also known as epithelial glycoprotein-1 antigen (EGP-1), is a protein that in humans is encoded by the TACSTD2 gene. This transmembrane glycoprotein functions in a variety of cell signaling pathways and was first elucidated as a transducer of an intracellular calcium signal.

TROP-2 is expressed in a variety of epithelial tissues and tumor tissues from which TROP2 originates, such as tonsil, esophagus, pancreatic, prostate and gastric cancers.

TROP-2 has become a new target for researchers to develop antibody-conjugated drugs. TROP-2 is highly expressed in triple-negative breast cancer, non-small cell lung cancer, uroepithelial carcinoma and various types of solid tumors, and is expected to be a therapeutic target with broad-spectrum anti-tumor effects.

Subcellular location:

Membrane/Cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

The synthetic peptide corresponding to Human TROP-2 aa 197-246

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

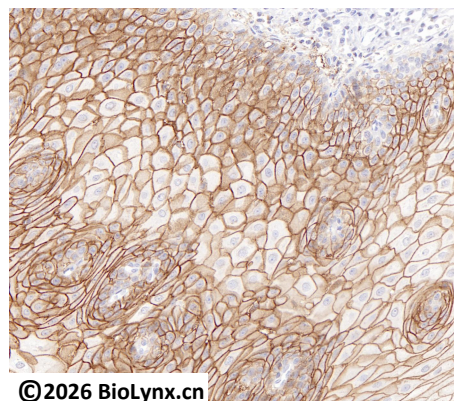
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- McDougall, A.R. et al. (2015) Dev Dyn 244, 99-109.
- Shvartsur, A. and Bonavida, B. (2015) Genes Cancer 6, 84-105.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human esophagus labelling TROP-2 with BP6341.

Product QC'd by:



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