

Mouse Trop-2/EGP-1 Monoclonal Antibody | anti-Trop-2/EGP-1 antibody

Trop-2/EGP-1 (BSB-148)

CATALOG # AAA59396	HOST Mouse	REACTIVITY Human, Mouse, Rat
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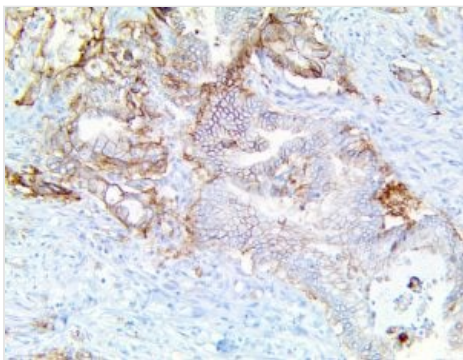
PRODUCT SYNONYMS

Trop-2/EGP-1; Monoclonal Antibody; Trop-2/EGP-1 (BSB-148); trop-2; trop2; anti-trop-2; anti-trop2; egp-1; egp1; anti-egp-1; anti-egp1; anti-Trop-2/EGP-1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSB-148
Form/Format	Paraffin, Frozen Anti-Trop-2 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to the extracellular domain of the human TROP-2 protein.
Control	Breast, Prostate, Skin, Transitional Cell Carcinoma, Papillary Thyroid Carcinoma, Pancreatic Carcinoma
Localization	Membranous
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)

Trop-2 Antibody Immunohistochemistry on an FFPE Pancreatic Adenocarcinoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready To Use	3.0 ml
Prediluted	Ready To Use	7.0 ml
Prediluted	Ready To Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-Trop-2/EGP-1 antibody	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 expression has been demonstrated to depend on a large variety of transcription factors. Trop-2 is involved in several cell signaling pathways, of which many are associated with tumorigenesis. In Thyroid Cancer cell invasion, Trop-2 signal transduction has been seen as a downstream effect of the ERK and JNK pathways, where its signaling enhances stem cell-like properties of cancer cells, as Trop-2 regulates proliferation and self-renewal through-catenin signaling. In a study, the majority of Papillary Thyroid Carcinoma (PTC) specimens were positive for Trop-2; however, the pattern of staining differed significantly between the histopathological variants. All Papillary microcarcinomas (mPTC), PTC classic variant (PTC cv), and tall cell variants (PTC tcv) were Trop-2 positive, with mainly diffuse staining. In contrast, less than half of the PTC follicular variant specimens were positive for Trop-2, with only focal immunoreactivity. Trop-2 may play a role in tumor progression given the involvement in several molecular pathways traditionally associated with cancer development. High Trop-2 antibody expression correlates with poor prognosis in Pancreatic Carcinoma, Hilar Cholangiocarcinoma, Cervical Cancer, Gastric Cancer, and others. Increased Trop-2 antibody expression has been associated with poor overall and disease-free survival outcomes across several solid tumors. Given Trop-2's expression pattern and associated poor prognostic outcomes, Trop-2 is a rational prognostic marker and a possible therapeutic target.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/trop-2-egp-1-antibody-clone-bsb-148-elisa/59396>