

Anti-TROP-2 Antibody (5N711)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse, Human, Rat, Rhesus, Cynomolgus
Conjugation:	Unconjugated
Clone:	5N711
Purification:	Protein A

Applications

Verified Activity:	Anti-TROP2 rabbit monoclonal antibody at 1:1000 dilution. -Lane A: A549 Whole Cell Lysate. -Lane B: MCF-7 Whole Cell Lysate. -Lane C: NCI-N87 Whole Cell lysate. -Lysates/proteins at 30 µg per lane. -Secondary -Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. -Developed using the ECL technique. -Performed under reducing conditions. -Predicted band size:36 kDa. -Observed band size:36-38 kDa(We are unsure as to the identity of these extra bands.)
Application:	ELISA,WB
Recommended	WB: 1:500-1:2000; ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Mouse TROP-2 / TACSTD2 protein (TMPY-02667)
Antigen Species:	Mouse
Synonyms:	GA7331;TROP-2;tumor-associated calcium signal transducer 2;GP50;EGP-1;TROP2;EGP1;GA733-1;TACD2;M1S1
Biology Area:	Cancer Drug Targets

Research Background

TROP-2, also referred to as tumor-associated calcium signal transducer 2 (TACSTD2), GA733-1 or M1S1, is a cell surface glycoprotein highly expressed in a wide variety of epithelial cancers. In contrast, there is little or no expression of Trop-2 in adult somatic tissue. Because it is a cell surface protein that is selectively expressed in tumor cells, Trop-2 is a potential therapeutic target. The cytoplasmic tail of Trop-2 possesses potential serine and tyrosine phosphorylation sites and a phosphatidyl-inositol binding consensus sequence. Trop-2 transduces an intracellular calcium signal, which are consistent with the hypothesis that it acts as a cell surface receptor and support a search

A DRUG SCREENING EXPERT

for a physiological ligand. TROP2 encoding by an intronless gene was originally defined by the monoclonal antibody GA733, and is a member of a family of at least two type I membrane proteins. The other known member is GA733-2, also called EpCAM and TROP1. It has been suggested by studies that the GA733-1 gene was formed by the retroposition of the GA733-2 gene via an mRNA intermediate.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481