

## Anti-TROP-2 Antibody (6F304)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Mouse, Rat; Not React with: Human, Rhesus/Cynomolgus
Conjugation:	Unconjugated
Clone:	6F304
Purification:	Protein A

## Applications

Verified Activity:	1. Immunochemical staining of mouse TACSTD2 in mouse skin with rabbit monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections). 2. Immunochemical staining of mouse TACSTD2 in mouse kidney with rabbit monoclonal antibody (1:20000, formalin-fixed paraffin embedded sections).
Application:	IHC-P
Recommended	IHC-P: 1:10000-1:20000

## 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:	TACD2;tumor-associated calcium signal transducer 2;TROP-2;GA7331;M1S1;TROP2;GP50;EGP1;GA733-1;EGP-1
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 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.

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