

Product Name: KD-Validated TACSTD2 Recombinant Rabbit Monoclonal Antibody
Catalog #: KVA00320

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 35.7kDa

Antigen Information

Gene Name	TACSTD2 TACSTD2; Tumor Associated Calcium Signal Transducer 2; GA733-1; TROP2; EGP-1; M1S1; Membrane Component Chromosome 1 Surface Marker 1; Tumor-Associated Calcium Signal Transducer 2; Pancreatic Carcinoma Marker Protein GA733-1; Trophoblast Cell Surface
Alternative Names	Antigen 2; Cell Surface Glycoprotein Trop-2; Epithelial Glycoprotein-1; 40kD Glycoprotein, Identified By Monoclonal Antibody GA733; Membrane Component, Chromosome 1, Surface Marker 1; Gastrointestinal Tumor-Associated Antigen GA7331; Pancreatic Carcinoma Marker Protein GA7331; Cell Surface Glycoprotein TROP2; GA7331; EGP1; GP50
Gene ID	4070.0
SwissProt ID	P09758
Immunogen	A synthesized peptide derived from human TACSTD2

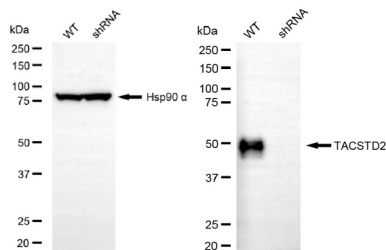
Background

This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.[provided by RefSeq, Dec 2009]

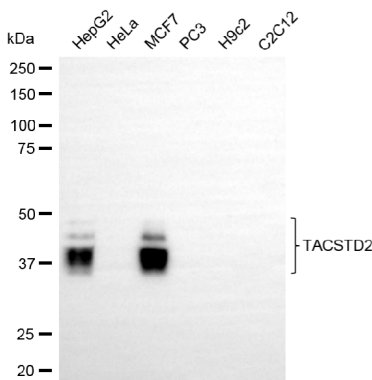
Research Area

Cancer

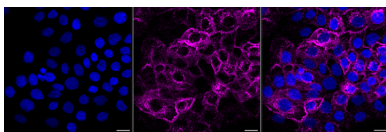
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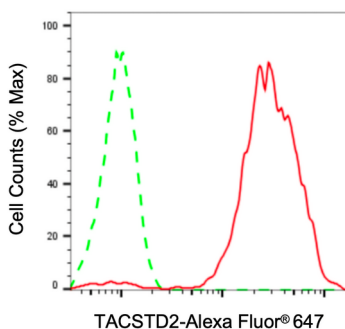
Western blotting analysis using TACSTD2 antibody (KVA00320). TACSTD2 expression in wild-type (WT) and TACSTD2 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with TACSTD2 antibody (KVA00320, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using TACSTD2 antibody (KVA00320). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with TACSTD2 antibody (KVA00320, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HACAT cells with TACSTD2 antibody (KVA00320, 1:1,000). Nuclei were stained blue with DAPI; TACSTD2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Flow cytometric analysis of TACSTD2 expression in HaCaT cells using TACSTD2 antibody (KVA00320, 1:2,000). Green, isotype control; red, TACSTD2.