abcam

Product datasheet

Anti-TROP2 antibody [MM0588-49D6] ab89928

1 Image

Overview

Product name	Anti-TROP2 antibody [MM0588-49D6]
Description	Mouse monoclonal [MM0588-49D6] to TROP2
Host species	Mouse
Tested applications	**Suitable for:** WB, Flow Cyt
Species reactivity	**Reacts with:** Human **Predicted to work with:** Pig
Immunogen	Recombinant full length protein corresponding to Human TROP2.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MM0588-49D6
Isotype	IgG2

Applications

Our Abpromise guarantee covers the use of **ab89928** in the following tested applications.

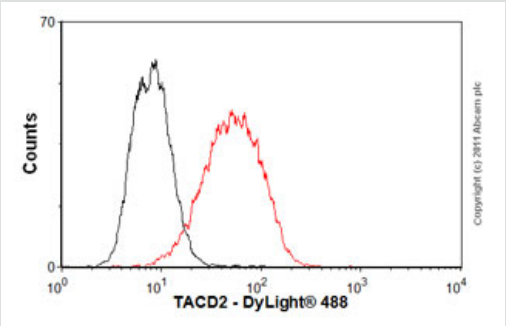
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 36 kDa.
Flow Cyt		1/50 - 1/200. ab18414 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

Target

Function	May function as a growth factor receptor.
Tissue specificity	Placenta, pancreatic carcinoma cell lines.
Involvement in disease	Defects in TACSTD2 are the cause of gelatinous drop-like corneal dystrophy (GDLD) [MIM:204870]; also known as lattice corneal dystrophy type III. GDLD is an autosomal recessive disorder characterized by grayish corneal amyloid deposits that cause severe visual impairment.
Sequence similarities	Belongs to the EPCAM family. Contains 1 thyroglobulin type-1 domain.
Post-translational modifications	The N-terminus is blocked.
Cellular localization	Membrane.

Images



Flow Cytometry - Anti-TROP2 antibody [MM0588-49D6] (ab89928)

Overlay histogram showing MCF7 cells stained with ab89928 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab89928, 1µg/1x10^6 cells) for 30 min at 22ºC. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) (ab96879) at 1/500 dilution for 30 min at 22ºC. Isotype control antibody (black line) was mouse IgG2 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >5,000 events was performed.

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