abcam

ab181984

Anti-TADA3L antibody [EPR13864]

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	EPR13864
Purity	Tissue culture supernatant

Reactivity data

WB

Tested

Species	Human
Dilution info	1/10000 - 1/50000
Notes	-

Predicted

Species	Mouse, Rat

Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	1/90
Notes	ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.

Predicted

Species	Mouse, Rat
Dilution info	-
Notes	-

Target data

See full target information TADA3

Function	Functions as a component of the PCAF complex. The PCAF complex is capable of efficiently acetylating histones in a nucleosomal context. The PCAF complex could be considered as the human version of the yeast SAGA complex. Also known as a coactivator for p53/TP53-dependent transcriptional activation. Component of the ATAC complex, a complex with histone acetyltransferase activity on histones H3 and H4.

Storage

Shipped at conditions	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C

Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Patented technology
Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Supplementary info

This supplementary information is collated from multiple sources and compiled automatically.

Activity summary	TADA3L also known as Transcriptional Adaptor 3-Like is part of the larger transcriptional coactivator complexes. The protein has a mass of approximately 55 kDa and is expressed in various tissues including liver and kidney. Mechanically TADA3L acts as a transcriptional adaptor interacting with DNA-binding transcription factors and assisting the recruitment of additional coactivators necessary for gene transcription.
Biological function summary	The protein assists in regulating gene expression by serving as a component of the human Ada-Two-A containing (hATAC) complex. The hATAC complex which includes TADA3L plays a role in histone acetylation allowing chromatin to be more accessible for transcriptional machinery. TADA3L's involvement in this complex underlines its role in modulating transcription and influencing cell cycle and proliferation processes.
Pathways	The TADA3L protein integrates into networks influencing transcriptional regulation and chromatin remodeling pathways. It associates with GCN5 and PCAF which are critical for histone acetyl transferase (HAT) activity within these pathways. Through its interaction with these proteins TADA3L contributes to the control of gene expression and is an important part of maintaining homeostasis in cellular function.

Associated diseases and disorders	Alterations in TADA3L function or expression link to cancer and developmental disorders. Mutations or deregulation of this protein can disrupt normal transcriptional regulation leading to oncogenesis. In cancer pathways TADA3L shows connections with proteins like p53 a widely studied tumor suppressor where its impairment could affect apoptotic and cell cycle arrest pathways contributing to tumor development.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

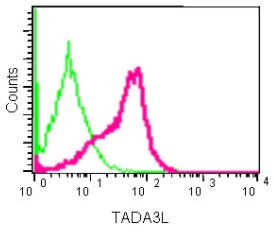
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

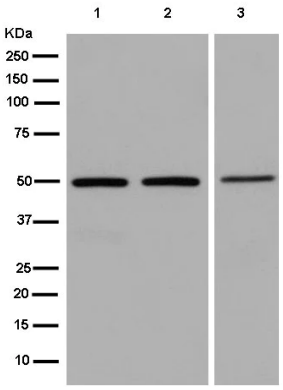
2 product images



Flow Cytometry (Intracellular) - Anti-TADA3L antibody [EPR13864] (ab181984)

TADA3L Flow Cytometry (Intracellular) staining using rabbit Anti-TADA3L antibody

Intracellular flow cytometric analysis of 2% paraformaldehyde-fixed HeLa cells labeling TADA3L with ab181984 at 1/90 dilution (red) compared to a Rabbit monoclonal IgG Isotype control (green), followed by Goat anti rabbit IgG (FITC) secondary antibody at 1/150 dilution.



Western blot - Anti-TADA3L antibody [EPR13864] (ab181984)

TADA3L Western blot staining using rabbit Anti-TADA3L antibody

All lanes:
Western blot - Anti-TADA3L antibody [EPR13864] (ab181984) at 1/20000 dilution

Lane 1:
HeLa cell lysate at 20 µg

Lane 2:
Jurkat cell lysate at 20 µg

Lane 3:
293 cell lysate at 20 µg

Secondary

All lanes:
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 49 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.