


Anti-TID1 antibody [EPR12414] - BSA and Azide free ab250291

Recombinant RabMAb

4 Images

Overview

Product name	Anti-TID1 antibody [EPR12414] - BSA and Azide free
Description	Rabbit monoclonal [EPR12414] to TID1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IP, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250291 is the carrier-free version of ab181024.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR12414
Isotype	IgG

Applications

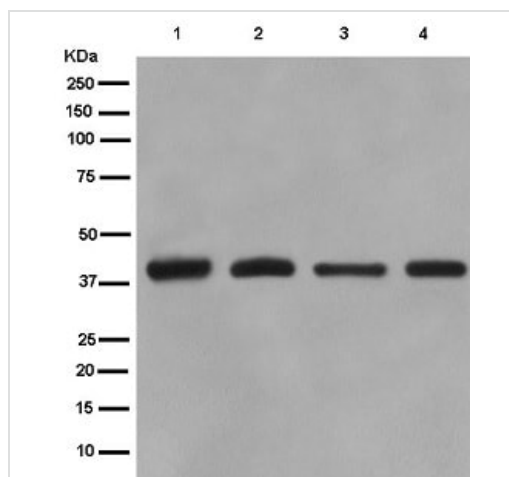
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250291 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 52 kDa.

Target

Relevance	TID1 is a human homolog of the Drosophila tumor suppressor lethal tumorous imaginal discs and encodes two mitochondrial matrix localized splice variants of human Tid1 designated hTid1S and hTid1L. These proteins are the conserved members of the DnaJ family of proteins which act as cochaperons for mitochondrial Hsp70. They contain a conserved tetrahedral J domain which binds to Hsp70 chaperones and activates their ATPase activity. Expression of hTid1L increases apoptosis induced by DNA damaging agents as mitomycin C and TNF alpha. A J domain mutant of hTid1L can dominantly suppress apoptosis and in sharp contrast the J domain mutant of hTid1S increases apoptosis. Expression of hTid1S and hTid1L affects cytochrome c release from the mitochondria and caspase 3 activation, while activation of caspase 8 is unaffected. It is strongly suggested that these two splice variants exert their anti and pro apoptotic effects through discrete substrates and activities. Hence the relative abundance of these proteins or their substrates may allow the mitochondria to dampen or enhance the apoptotic signals.
Cellular localization	Mitochondrial

Images



Western blot - Anti-TID1 antibody [EPR12414] - BSA and Azide free (ab250291)

All lanes : Anti-TID1 antibody [EPR12414] ([ab181024](#)) at 1/5000 dilution

Lane 1 : JAR cell lysate

Lane 2 : Jurkat cell lysate

Lane 3 : HeLa cell lysate

Lane 4 : K562 cell lysate

Lysates/proteins at 20 µg per lane.

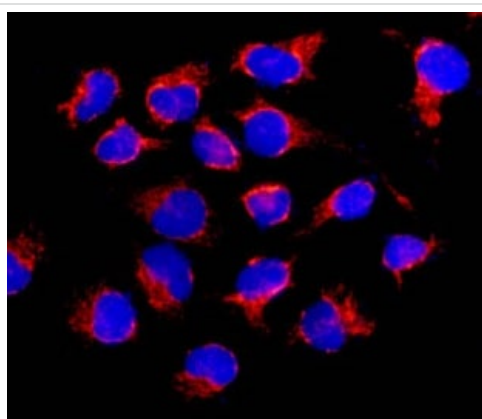
Secondary

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

Predicted band size: 52 kDa

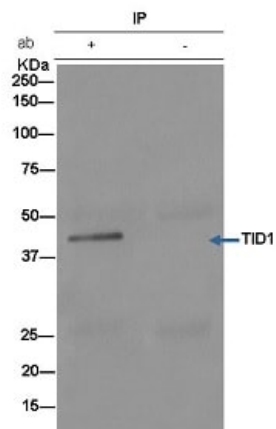
This data was developed using [ab181024](#), the same antibody clone in a different buffer formulation.

Blocking and dilution buffer: 5% NFDM/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-TID1 antibody [EPR12414] - BSA and Azide free (ab250291)

This data was developed using [ab181024](#), the same antibody clone in a different buffer formulation. Immunofluorescent analysis of acetone fixed HeLa cells labeling TID1 using [ab181024](#) at a 1/250 dilution. A Goat anti rabbit IgG (Alexa Fluor®555) was used as the secondary at a 1/200 dilution. Counterstain DAPI.



Immunoprecipitation - Anti-TID1 antibody
[EPR12414] - BSA and Azide free (ab250291)

This data was developed using **ab181024**, the same antibody clone in a different buffer formulation. Lysate from Jurkat cells (Lane 1) and negative control (Lane 2) were immunoprecipitated with **ab181024** at a 1/30 dilution. A specific to the non-reduced form of IgG at a 1/1500 dilution for the secondary. Blocking/ Dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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