

Anti-PPM1D/WIP1 antibody [EPR22960-39] - BSA and Azide free ab269864

Recombinant RabMAb

[4 Images](#)

Overview

Product name	Anti-PPM1D/WIP1 antibody [EPR22960-39] - BSA and Azide free
Description	Rabbit monoclonal [EPR22960-39] to PPM1D/WIP1 - BSA and Azide free
Host species	Rabbit
Specificity	The antibody detects specifically PPM1D430.
Tested applications	Suitable for: Flow Cyt (Intra), WB, ICC/IF Unsuitable for: Flow Cyt, IHC-P or IP
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: MCF7, Jurkat, A549, F9, HCT 116, RAW 264.7, PC-12 and NIH/3T3 whole cell lysate, Human testis and lung cancer tissue lysates, Mouse and Rat spleen tissue lysates. ICC/IF: MCF7, HCT-116 cells. Flow Cyt (intra): MCF7 cell.
General notes	<p>ab269864 is the carrier-free version of ab234439.</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

For more information [see here](#).

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

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	Protein A purified
Clonality	Monoclonal
Clone number	EPR22960-39
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab269864 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
Flow Cyt (Intra)		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 67 kDa.
ICC/IF		Use at an assay dependent concentration.

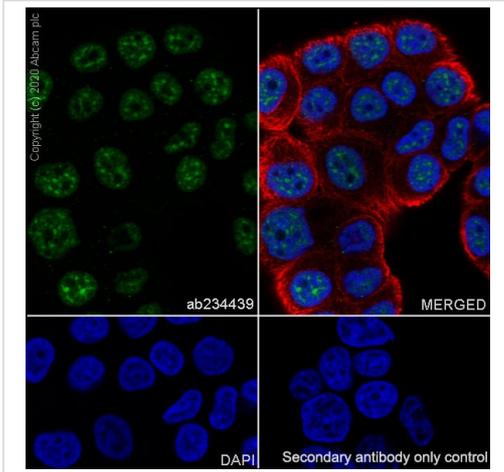
Application notes Is unsuitable for Flow Cyt, IHC-P or IP.

Target

Function Required for the relief of p53-dependent checkpoint mediated cell cycle arrest. Binds to and dephosphorylates 'Ser-15' of TP53 and 'Ser-345' of CHEK1 which contributes to the functional inactivation of these proteins.

Sequence similarities Belongs to the PP2C family.
Contains 1 PP2C-like domain.

Images

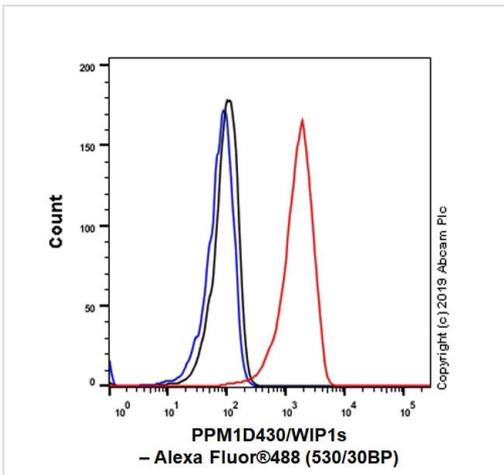


Immunocytochemistry/ Immunofluorescence - Anti-PPM1D/WIP1 antibody [EPR22960-39] - BSA and Azide free (ab269864)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized MCF7 (Human breast adenocarcinoma cell line) cells labelling PPM1D430/WIP1s with **ab234439** at 1/50 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing nuclear staining in MCF7 cells. Tubulin is detected with Anti-alpha Tubulin antibody (Alexa Fluor® 594) **ab195889** at 1/200 dilution (Red). Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

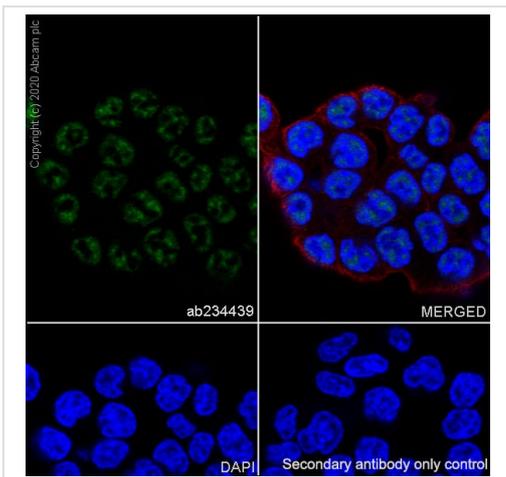
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab234439**).



Flow Cytometry (Intracellular) - Anti-PPM1D/WIP1 antibody [EPR22960-39] - BSA and Azide free (ab269864)

Intracellular flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized MCF7 (Human breast adenocarcinoma cell line) cells labelling PPM1D430/WIP1s with **ab234439** at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG (**ab172730**) (Black) isotype control and an unlabelled control (cells without incubation with primary antibody and secondary antibody) (Blue). A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab234439**).



Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HCT-116 (Human colorectal carcinoma cell line) cells labelling PPM1D430/WIP1s with **ab234439** at 1/50 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (Green). Confocal image showing nuclear staining in HCT-116 cells. Tubulin is detected with Anti-alpha Tubulin antibody (Alexa Fluor® 594) **ab195889** at 1/200 dilution (Red). Nuclear counterstain was DAPI (Blue).

Secondary antibody only control: Secondary antibody is **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab234439**).

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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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