

## ARG59208 anti-MED18 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes MED18
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MED18
Species	Human
Immunogen	Recombinant protein corresponding to M1-M208 of Human MED18.
Conjugation	Un-conjugated
Alternate Names	Mediator of RNA polymerase II transcription subunit 18; p28b; Mediator complex subunit 18

### Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	ICC/IF	1:200 - 1:1000
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

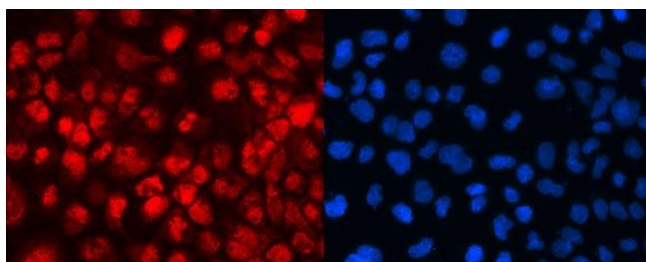
### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

## Bioinformation

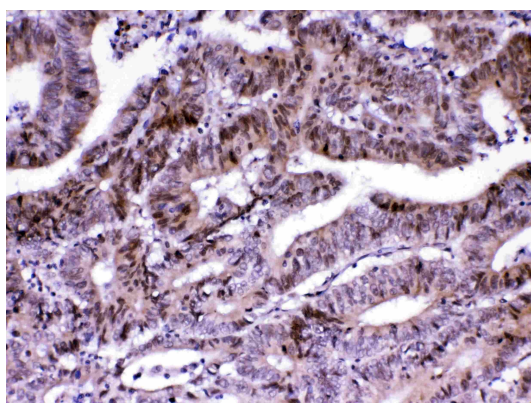
Gene Symbol	MED18
Gene Full Name	mediator complex subunit 18
Background	MED18 is a component of the Mediator complex, which is a coactivator for DNA-binding factors that activate transcription via RNA polymerase II (Sato et al., 2003 [PubMed 12584197]).[supplied by OMIM, Oct 2008]
Function	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors. [UniProt]
Calculated Mw	24 kDa
Cellular Localization	Nucleus. [UniProt]

## Images



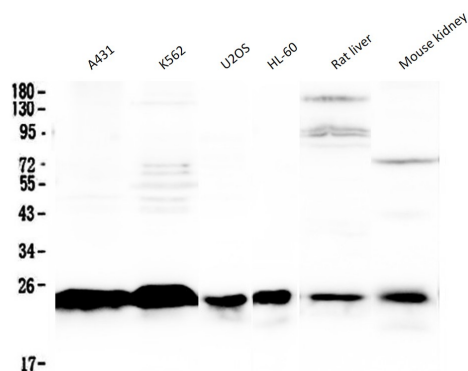
ARG59208 anti-MED18 antibody ICC/IF image

Immunofluorescence: A431 cells were blocked with 10% goat serum and then stained with ARG59208 anti-MED18 antibody (red) at 2 µg/ml dilution, overnight at 4°C. DAPI (blue) for nuclear staining.



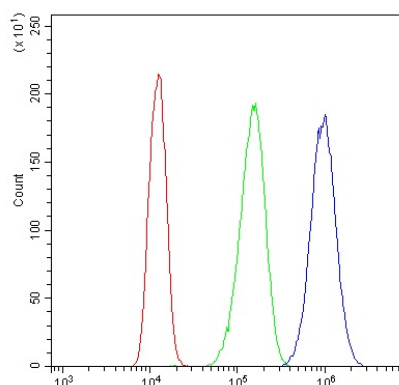
ARG59208 anti-MED18 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1 µg/ml dilution, overnight at 4°C.



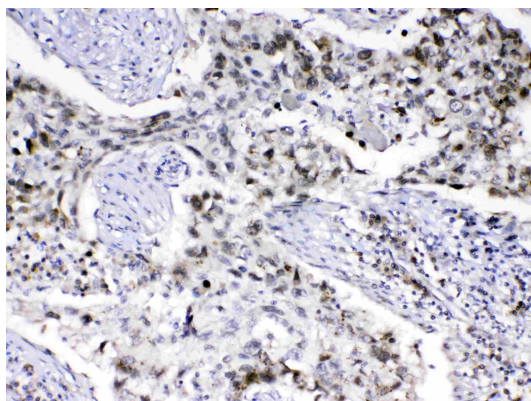
ARG59208 anti-MED18 antibody WB image

Western blot: 50  $\mu$ g of samples under reducing conditions. A431, K562, U2OS, HL-60, Rat liver and Mouse kidney lysates stained with ARG59208 anti-MED18 antibody at 0.5  $\mu$ g/ml, overnight at 4°C.



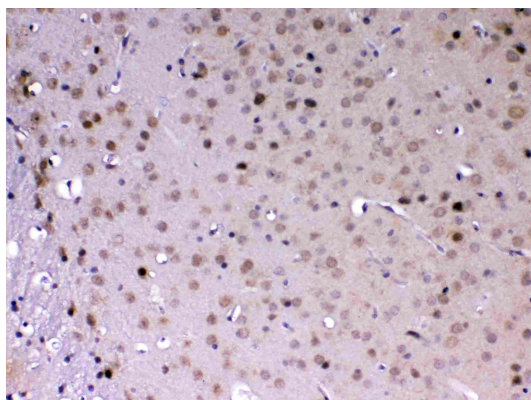
ARG59208 anti-MED18 antibody FACS image

Flow Cytometry: A431 cells were blocked with 10% normal goat serum and then stained with ARG59208 anti-MED18 antibody (blue) at 1  $\mu$ g/ $10^6$  cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was rabbit IgG (1  $\mu$ g/ $10^6$  cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



ARG59208 anti-MED18 antibody IHC-P image

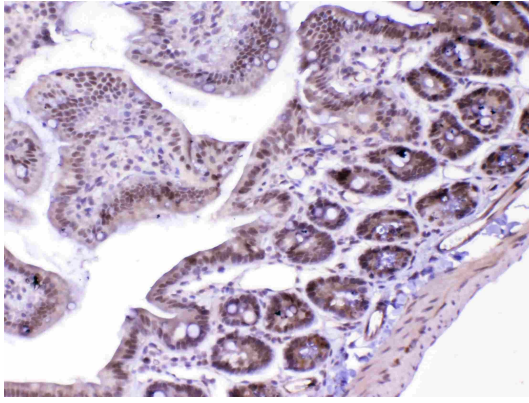
Immunohistochemistry: Paraffin-embedded Human lung cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1  $\mu$ g/ml dilution, overnight at 4°C.



ARG59208 anti-MED18 antibody IHC-P image

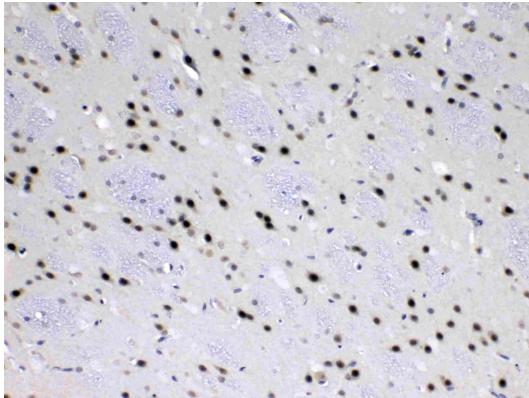
Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1  $\mu$ g/ml dilution, overnight at 4°C.





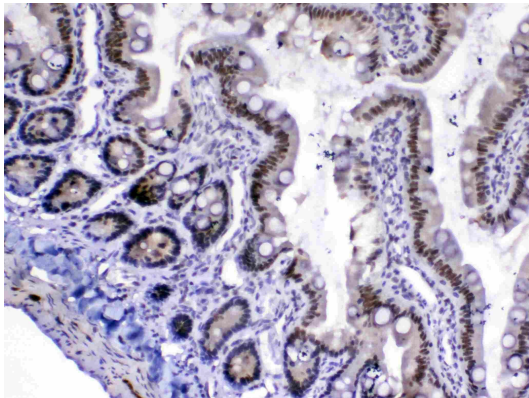
**ARG59208 anti-MED18 antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Mouse small intestine tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1 µg/ml dilution, overnight at 4°C.



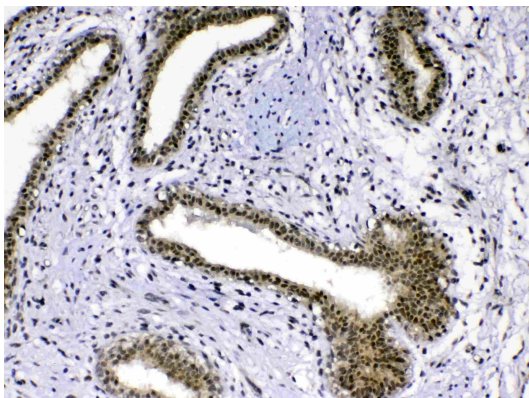
**ARG59208 anti-MED18 antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1 µg/ml dilution, overnight at 4°C.



**ARG59208 anti-MED18 antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Rat small intestine tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1 µg/ml dilution, overnight at 4°C.



**ARG59208 anti-MED18 antibody IHC-P image**

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue. Antigen Retrieval: Heat mediated was performed in Citrate buffer (pH 6.0, epitope retrieval solution) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG59208 anti-MED18 antibody at 1 µg/ml dilution, overnight at 4°C.