

# Mouse Med12 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21384b

## Product Information

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<b>Application</b>	WB, IHC-P, E
<b>Primary Accession</b>	<a href="#">A2AGH6</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB52354
<b>Calculated MW</b>	244561

## Additional Information

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<b>Gene ID</b>	59024
<b>Other Names</b>	Mediator of RNA polymerase II transcription subunit 12, Mediator complex subunit 12, OPA-containing protein, Thyroid hormone receptor-associated protein complex 230 kDa component, Trap230, Trinucleotide repeat-containing gene 11 protein, Med12, Kiaa0192, Mopa, Tnrc11, Trap230
<b>Target/Specificity</b>	This Mouse Med12 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1991-2025 amino acids from the C-terminal region of Mouse Med12.
<b>Dilution</b>	WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Mouse Med12 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	Med12
<b>Synonyms</b>	Kiaa0192, Mopa, Tnrc11, Trap230
<b>Function</b>	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. This subunit may specifically regulate transcription of targets of the Wnt signaling pathway and SHH signaling pathway (By similarity).

#### Cellular Location

Nucleus.

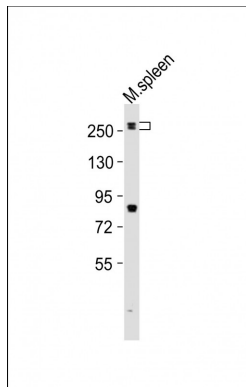
## Background

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. This subunit may specifically regulate transcription of targets of the Wnt signaling pathway and SHH signaling pathway (By similarity).

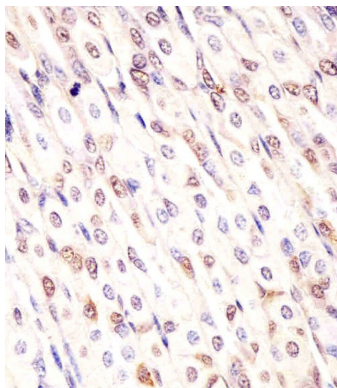
## References

- Church D.M.,et al.PLoS Biol. 7:E1000112-E1000112(2009).  
Philibert R.A.,et al.Mol. Psychiatry 3:303-309(1998).  
Okazaki N.,et al.Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.  
Park J.,et al.Mol. Cell 50:919-930(2013).

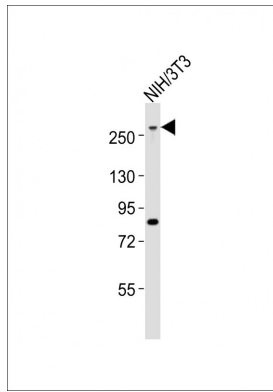
## Images



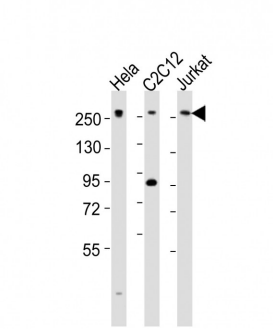
Anti-Med12 Antibody (C-term) at 1:1000 dilution + mouse spleen lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 245 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



AP21384b staining Mouse Med12 in mouse stomach sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Anti-Med12 Antibody (C-term) at 1:1000 dilution + NIH/3T3 whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 245 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-Med12 Antibody (C-term) at 1:2000 dilution. Lane 1: HeLa whole cell lysates. Lane 2: C2C12 whole cell lysates. Lane 3: Jurkat whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 245 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

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