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(Mouse) Trim24 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20896c

Product Information

Application	WB, IF, IHC-P, E
Primary Accession	Q64127
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB51160
Calculated MW	116657

Additional Information

Gene ID	21848
Other Names	Transcription intermediary factor 1-alpha, TIF1-alpha, 632-, E3 ubiquitin-protein ligase Trim24, Tripartite motif-containing protein 24, Trim24, Tif1, Tif1a
Target/Specificity	This Mouse Trim24 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 789-843 amino acids from the C-terminal region of Mouse Trim24.
Dilution	WB~~1:1000 IF~~1:25 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	(Mouse) Trim24 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Trim24
Synonyms	Tif1, Tif1a

Function	Transcriptional coactivator that interacts with numerous nuclear receptors and coactivators and modulates the transcription of target genes. Interacts with chromatin depending on histone H3 modifications, having the highest affinity for histone H3 that is both unmodified at 'Lys-4' (H3K4me0) and acetylated at 'Lys-23' (H3K23ac) (By similarity). Has E3 protein-ubiquitin ligase activity. Promotes ubiquitination and proteasomal degradation of p53/TP53. Plays a role in the regulation of cell proliferation and apoptosis via its effects on p53/TP53 levels. Up-regulates ligand-dependent transcription activation by AR, GCR/NR3C1, thyroid hormone receptor (TR) and ESR1. Modulates transcription activation by retinoic acid (RA) receptors, such as RARA. Plays a role in regulating retinoic acid-dependent proliferation of hepatocytes. Required for normal transition from proliferating neonatal hepatocytes to quiescent adult hepatocytes.
Cellular Location	Nucleus. Cytoplasm. Note=Detected in the cytoplasm of the zygote (PubMed:16880268). Translocates into the pronucleus at the time of genome activation (PubMed:16880268). Colocalizes with sites of active transcription (PubMed:10610177). Localizes to sites of DNA damage (By similarity). {ECO:0000250|UniProtKB:O15164, ECO:0000269|PubMed:10610177, ECO:0000269|PubMed:16880268}
Tissue Location	Detected in embryonic and adult liver. Detected in zygote and throughout embryogenesis (at protein level). Detected in all adult tissues, with the highest expression level in testis

Background

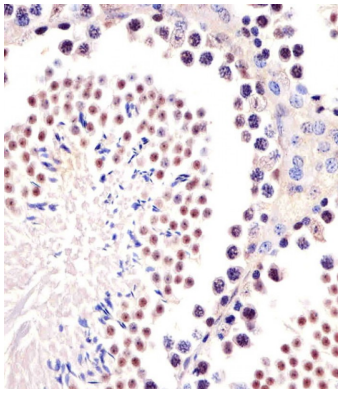
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References

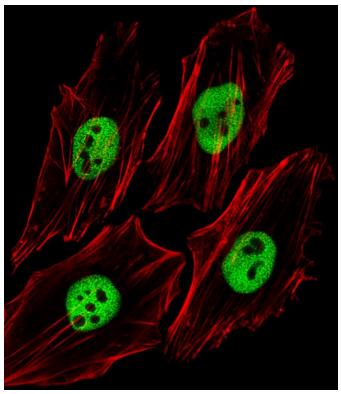
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Images

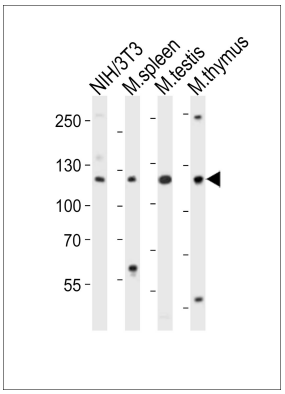
AP20896c staining (Mouse) Trim24 in mouse testis sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent



antibody was used as the secondary antibody.



Fluorescent image of Hela cells stained with (Mouse) Trim24 Antibody (C-term)(Cat#AP20896c). AP20896c was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit lgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysates from mouse NIH/3T3 cell line, mouse spleen, mouse testis, mouse thymus tissue lysate (from left to right), using Trim24 Antibody (C-term)(Cat. #AP20896c). AP20896c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody. Lysates at 20ug per lane.

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