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Goat Anti-MID2 / TRIM1 Antibody

Peptide-affinity purified goat antibody
Catalog # AF1671a

Specification

Goat Anti-MID2 / TRIM1 Antibody - Product Information

Application	**WB, IHC, E**
Primary Accession	Q9UJV3
Other Accession	NP_438112, 11043, 23947 (mouse)
Reactivity	**Human, Mouse**
Predicted	**Rat, Pig, Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**83210**

Goat Anti-MID2 / TRIM1 Antibody - Additional Information

Gene ID 11043

Other Names
Probable E3 ubiquitin-protein ligase MID2, 6.3.2.-, Midin-2, Midline defect 2, Midline-2, RING finger protein 60, Tripartite motif-containing protein 1, MID2, FXY2, RNF60, TRIM1

Dilution
WB~~1:1000
IHC~~1:100~500
E~~N/A

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-MID2 / TRIM1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-MID2 / TRIM1 Antibody - Protein Information

Name MID2

Synonyms FXY2, RNF60, TRIM1

Function
E3 ubiquitin ligase that plays a role in microtubule stabilization. Mediates the 'Lys-48'-linked polyubiquitination of LRRK2 to drive its localization to microtubules and its proteasomal degradation in neurons. This ubiquitination inhibits LRRK2 kinase activation by RAB29 (PubMed:35266954).

Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton Note=Microtubule-associated.

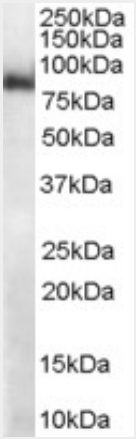
Tissue Location
Low level in fetal kidney and lung, and in adult prostate, ovary and small intestine

Goat Anti-MID2 / TRIM1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-MID2 / TRIM1 Antibody - Images



AF1671a (1 µg/ml) staining of mouse heart lysate (RIPA buffer, 35 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

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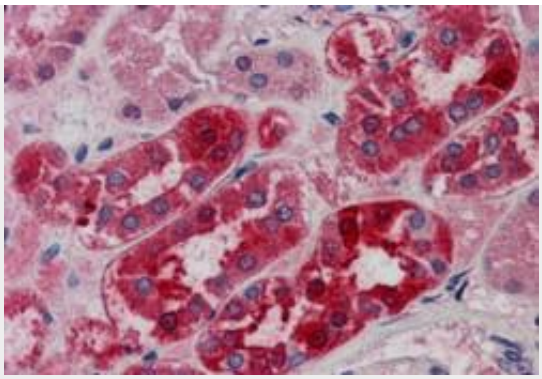

AF1671a (5 µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-MID2 / TRIM1 Antibody - Background

The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to microtubular structures in the cytoplasm. Alternate splicing of this gene results in two transcript variants encoding different isoforms.

Goat Anti-MID2 / TRIM1 Antibody - References

A protein-protein interaction network for human inherited ataxias and disorders of Purkinje cell degeneration. Lim J, et al. Cell, 2006 May 19. PMID 16713569.
An Xq22.3 duplication detected by comparative genomic hybridization microarray (Array-CGH) defines a new locus (FGS5) for FG syndrome. Jehee FS, et al. Am J Med Genet A, 2005 Dec 15. PMID 16283679.
Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.
The DNA sequence of the human X chromosome. Ross MT, et al. Nature, 2005 Mar 17. PMID 15772651.
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.