

MID2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54349**Specification****MID2 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UJV3
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Midline-2
Epitope Specificity	251-350/735
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the TRIM/RBCC family. Contains 2 B box-type zinc fingers. Contains 1 B30.2/SPRY domain. Contains 1 COS domain. Contains 1 fibronectin type-III domain. Contains 1 RING-type zinc finger. Homodimer or heterodimer with MID1. Interacts with IGBP1. Phosphorylated on serine and threonine residues.
SUBUNIT	
Post-translational modifications	
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Midline-2 is a 715 amino acid protein encoded by the human gene MID2. Midline-2 belongs to the TRIM/RBCC family and contains two B box-type zinc fingers, one B30.2/SPRY domain, one COS domain, one fibronectin type-III domain and one RING-type zinc finger. Midline-2 is a cytoplasmic protein found as a homodimer or heterodimer with Midline-1. It also interacts with IGBP1 (Lymphocyte signaling protein A4). Dimerization is mediated by the tripartite motif (RBCC; RING- and B box-type zinc fingers and coiled coil domains) and microtubule association is dependent on the C-terminal B30.2 domain. Midline-2 is expressed at low levels in fetal kidney and lung, and in adult prostate, ovary and small intestine.

MID2 Polyclonal Antibody - Additional Information**Gene ID** 11043**Other Names**

Probable E3 ubiquitin-protein ligase MID2, 2.3.2.27, Midin-2, Midline defect 2, Midline-2, RING finger protein 60, RING-type E3 ubiquitin transferase MID2, Tripartite motif-containing protein 1, MID2, FXY2, RNF60, TRIM1

Target/Specificity

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

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
ICC~~N/A
E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MID2 Polyclonal 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

MID2 Polyclonal 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 Cytometry](#)
- [Cell Culture](#)

MID2 Polyclonal Antibody - Images