

Anti-MID1 Antibody

Rabbit polyclonal antibody to MID1 Catalog # AP61508

Specification

Anti-MID1 Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Calculated MW WB, IF/IC, IHC <u>015344</u> <u>070583</u> Human, Mouse, Rat, Monkey, Dog Rabbit Polyclonal 75251

Anti-MID1 Antibody - Additional Information

Gene ID 4281

Other Names

FXY; RNF59; TRIM18; XPRF; E3 ubiquitin-protein ligase Midline-1; Midin; Putative transcription factor XPRF; RING finger protein 59; RING finger protein Midline-1; Tripartite motif-containing protein 18

Target/Specificity KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MID1. The exact sequence is proprietary.

Dilution WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

Anti-MID1 Antibody - Protein Information

Name MID1

Synonyms FXY, RNF59, TRIM18, XPRF

Function

Has E3 ubiquitin ligase activity towards IGBP1, promoting its monoubiquitination, which results in deprotection of the catalytic subunit of protein phosphatase PP2A, and its subsequent degradation



by polyubiquitination.

Cellular Location

Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, spindle. Note=Microtubuleassociated. It is associated with microtubules throughout the cell cycle, co-localizing with cytoplasmic fibers in interphase and with the mitotic spindle and midbodies during mitosis and cytokinesis

Tissue Location

In the fetus, highest expression found in kidney, followed by brain and lung. Expressed at low levels in fetal liver. In the adult, most abundant in heart, placenta and brain

Anti-MID1 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-MID1 Antibody - Images



Western blot analysis of MID1 expression in HEK293T (A) whole cell lysates.





Immunohistochemical analysis of MID1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MID1 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-MID1 Antibody - Background

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