

Midline-1 Polyclonal Antibody

Catalog # AP70943

Specification

Midline-1 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity

Host Clonality WB, IHC-P, IF
O15344
Human, Mouse, Rat
Rabbit

Polyclonal

Midline-1 Polyclonal Antibody - Additional Information

Gene ID 4281

Other Names

MID1; FXY; RNF59; TRIM18; XPRF; Midline-1; Midline 1 RING finger protein; Putative transcription factor XPRF; RING finger protein 59; Tripartite motif-containing protein 18

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

Midline-1 Polyclonal 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=Microtubule-associated. 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

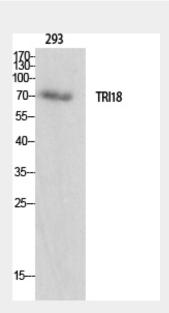
In the fetus, highest expression found in kidney, followed by brain and lung. Expressed at low levels in fetal liver. In the adult, most abundant in heart, placenta and brain

Midline-1 Polyclonal Antibody - Protocols

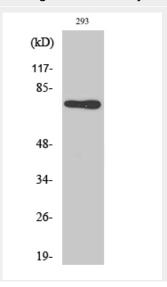
Provided below are standard protocols that you may find useful for product applications.

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

Midline-1 Polyclonal Antibody - Images



Western Blot analysis of various cells using Midline-1 Polyclonal Antibody









Western Blot analysis of 293 cells using Midline-1 Polyclonal Antibody

Midline-1 Polyclonal Antibody - Background

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.