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Midline-1 Polyclonal Antibody

Catalog # AP70943

Product Information

Application	WB, IHC-P, IF, ICC, E
Primary Accession	O15344
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75251

Additional Information

Gene ID	4281
Other Names	MID1; FXY; RNF59; TRIM18; XPRF; Midline-1; Midin; 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 ICC~~N/A E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

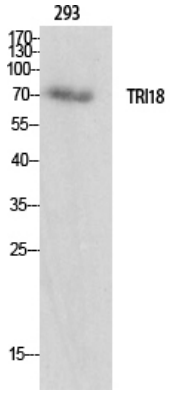
Protein Information

Name	MID1
Synonyms	FXY, RNF59, TRIM18, XPRF
Function	E3 ubiquitin-protein ligase that promotes the monoubiquitination of IGBP1, which results in deprotection of the catalytic subunit of protein phosphatase PP2A, and its subsequent degradation by polyubiquitination (PubMed:11685209, PubMed:22613722).
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

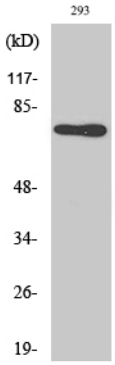
Background

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.

Images



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



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

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