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Anti-MID1 Antibody

Catalog # AP61508

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O15344
Reactivity	Human, Mouse, Rat, Dog, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75251

Additional Information

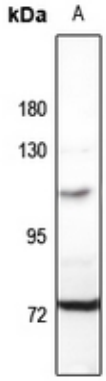
Gene ID	4281
Other Names	FXY; RNF59; TRIM18; XPRF; E3 ubiquitin-protein ligase Midline-1; Midin; Putative transcription factor XPRF; RING finger protein 59; RING finger protein Midline-1; Tripartite motif-containing protein 18
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MID1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

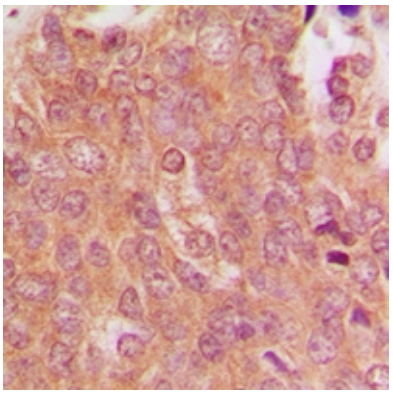
Name	MID1
Synonyms	FXY, RNF59, TRIM18, XPRF
Function	E3 ubiquitin-protein ligase that promotes the monoubiquitination of IGBP1, which results in deprotection of the catalytic subunit of protein phosphatase PP2A, and its subsequent degradation by polyubiquitination (PubMed:11685209, PubMed:22613722).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

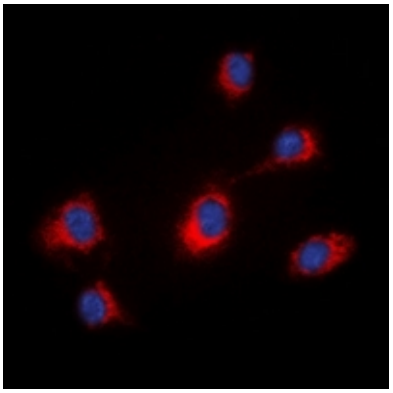
Images



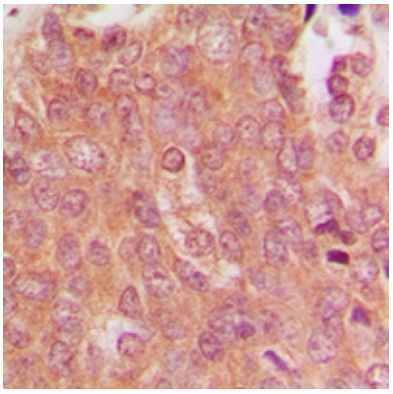
Western blot analysis of MID1 expression in HEK293T (A) whole cell lysates. (Predicted band size: 75 kD; Observed band size: 75 kD)



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).



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.

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