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Anti-HN1 Rabbit Monoclonal Antibody

Catalog # ABO16656

Product Information

Application	WB, FC
Primary Accession	Q9UK76
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-HN1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

Gene ID	51155
Other Names	Jupiter microtubule associated homolog 1 {ECO:0000312|HGNC:HGNC:14569}, Androgen-regulated protein 2, Hematological and neurological expressed 1 protein, Jupiter microtubule associated homolog 1, N-terminally processed, JPT1 (HGNC:14569)
Calculated MW	16015
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:50
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 31J27
Immunogen	A synthesized peptide derived from human HN1
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

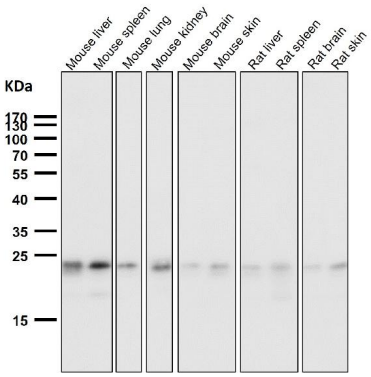
Name	JPT1 (HGNC:14569)
Function	Modulates negatively AKT-mediated GSK3B signaling (PubMed: 21323578,

PubMed:22155408). Induces CTNNB1 'Ser-33' phosphorylation and degradation through the suppression of the inhibitory 'Ser-9' phosphorylation of GSK3B, which represses the function of the APC:CTNNB1:GSK3B complex and the interaction with CDH1/E-cadherin in adherent junctions (PubMed:25169422). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:25169422, PubMed:25450365). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteasomal degradation (PubMed:22155408).

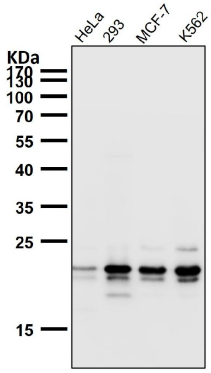
Cellular Location Nucleus. Cytoplasm

Tissue Location Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

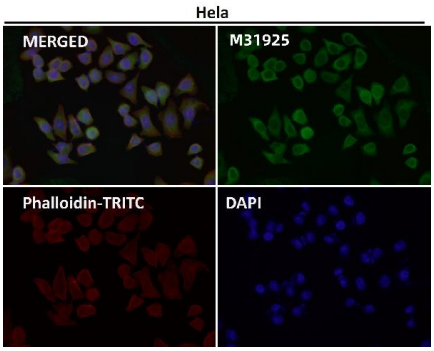
Images



All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.

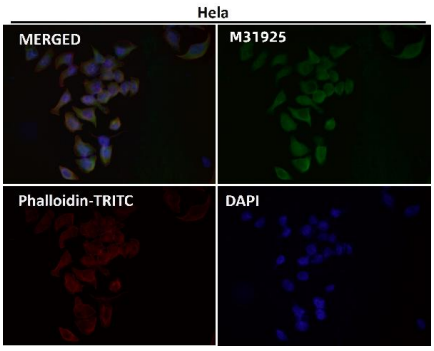


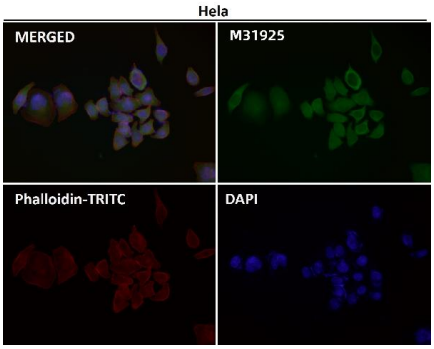
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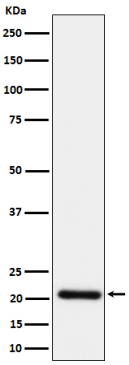
Immunofluorescent analysis using the Antibody at 1:50 dilution.

Immunofluorescent analysis using the Antibody at 1:150 dilution.





Immunofluorescent analysis using the Antibody at 1:500 dilution.



Western blot analysis of HN1 expression in HeLa cell lysate.

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