

**Anti-HN1 Rabbit Monoclonal Antibody**  
Catalog # ABO16656**Specification****Anti-HN1 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC
Primary Accession	<a href="#">Q9UK76</a>
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.

**Anti-HN1 Rabbit Monoclonal Antibody - 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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=14569))

**Application Details**

WB 1:500-1:2000<br>ICC/IF 1:50-1:200 <br>FC 1:50

**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.

**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.**

**Anti-HN1 Rabbit Monoclonal Antibody - Protein Information**

Name JPT1 ([HGNC:14569](#))

## Function

Modulates negatively AKT-mediated GSK3B signaling (PubMed:<a href="http://www.uniprot.org/citations/21323578" target="\_blank">21323578</a>, PubMed:<a href="http://www.uniprot.org/citations/22155408" target="\_blank">22155408</a>). 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:<a href="http://www.uniprot.org/citations/25169422" target="\_blank">25169422</a>). Plays a role in the regulation of cell cycle and cell adhesion (PubMed:<a href="http://www.uniprot.org/citations/25169422" target="\_blank">25169422</a>, PubMed:<a href="http://www.uniprot.org/citations/25450365" target="\_blank">25450365</a>). Has an inhibitory role on AR-signaling pathway through the induction of receptor proteasomal degradation (PubMed:<a href="http://www.uniprot.org/citations/22155408" target="\_blank">22155408</a>).

## Cellular Location

Nucleus. Cytoplasm

## Tissue Location

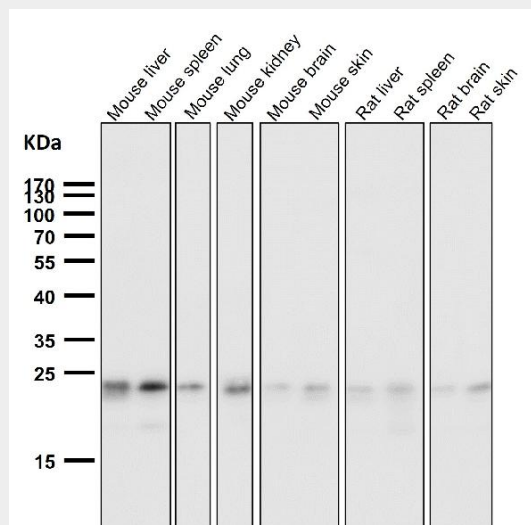
Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

## Anti-HN1 Rabbit Monoclonal Antibody - Protocols

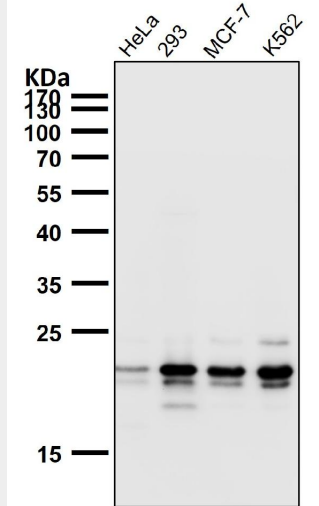
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

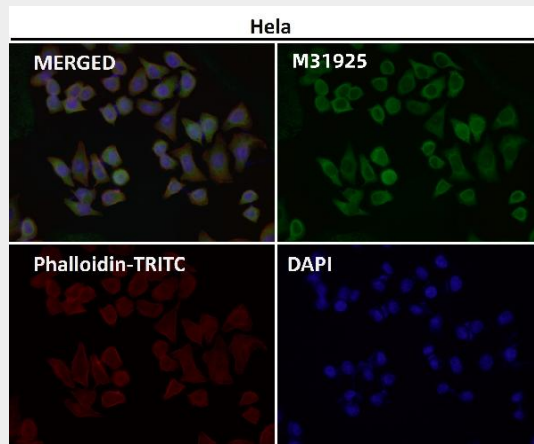
## Anti-HN1 Rabbit Monoclonal Antibody - Images



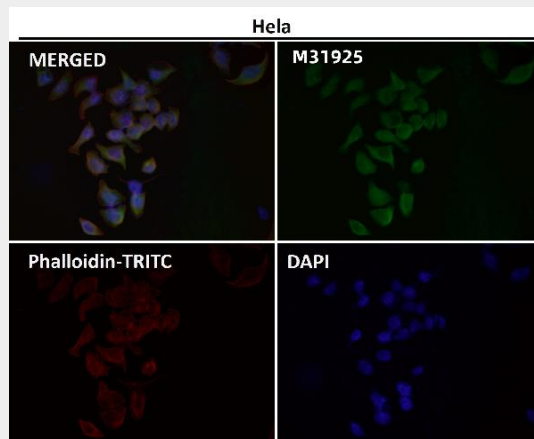
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



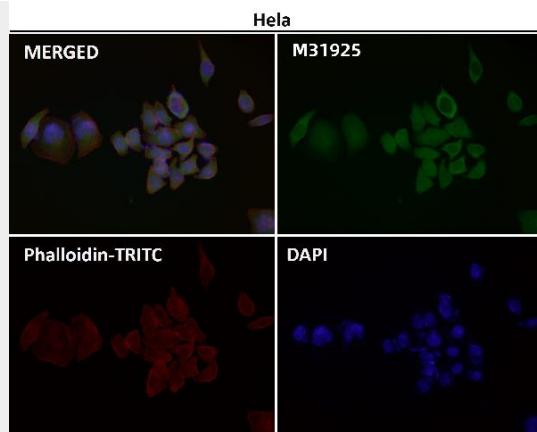
All lanes use the Antibody at 1:1W dilution for 1 hour at room temperature.



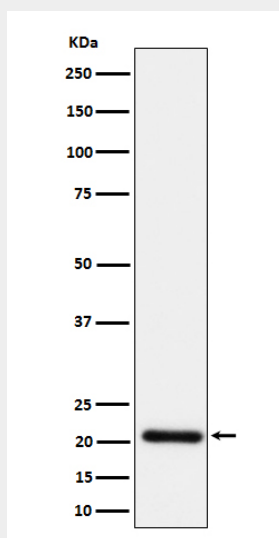
Immunofluorescent analysis using the Antibody at 1:50 dilution.



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.