

**HN1 Antibody**  
**Rabbit mAb**  
**Catalog # AP93131**

## Specification

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### HN1 Antibody - Product Information

Application	<b>WB, FC</b>
Primary Accession	<a href="#">O9UK76</a>
Reactivity	<b>Rat</b>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
ARM2; HN1; HN1A;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>16015 Da</b>

### HN1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human HN1</b>
Description	<b>Modulates negatively AKT-mediated GSK3B signaling (PubMed:21323578, PubMed:22155408).</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### HN1 Antibody - Protein Information

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

#### Function

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

### Cellular Location

Nucleus. Cytoplasm

### Tissue Location

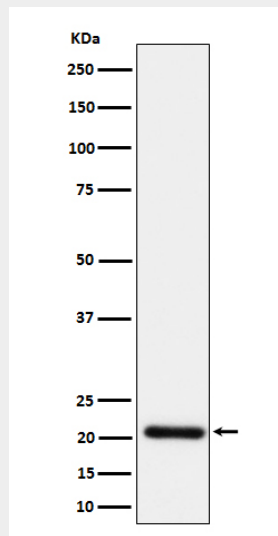
Expressed in testis, skeletal muscle, thymus, prostate, colon, peripheral blood cells, brain and placenta

### HN1 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](#)

### HN1 Antibody - Images



Western blot analysis of HN1 expression in HeLa cell lysate.