

# eIF3B Antibody

Rabbit mAb

Catalog # AP92530

## Product Information

<b>Application</b>	WB, IF, FC, ICC, IP
<b>Primary Accession</b>	<a href="#">P55884</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	eIF3b; EIF3S9; hPrt1; PRT1;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	92482

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 ICC/IF 1:50~1:200 IP 1:50 FC 1:50
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human eIF3B
<b>Description</b>	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis.
<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.

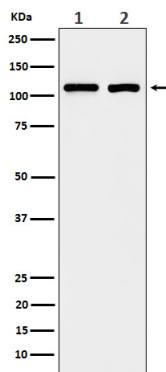
## Protein Information

<b>Name</b>	EIF3B {ECO:0000255   HAMAP-Rule:MF_03001}
<b>Function</b>	RNA-binding component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed: <a href="#">17581632</a> , PubMed: <a href="#">25849773</a> , PubMed: <a href="#">27462815</a> , PubMed: <a href="#">9388245</a> ). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA <sub>i</sub> and eIF-5 to form the 43S pre- initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed: <a href="#">17581632</a> , PubMed: <a href="#">9388245</a> ). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed: <a href="#">25849773</a> ).
<b>Cellular Location</b>	Cytoplasm {ECO:0000255   HAMAP-Rule:MF_03001}. Cytoplasm, Stress granule.

Note=Localizes to stress granules following cellular stress

## Images

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Western blot analysis of eIF3B expression in (1) A431 cell lysate; (2) 293T cell lysate.

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