

# eIF3B Rabbit mAb

Catalog # AP75388

## Product Information

Application	WB, IP, ICC
Primary Accession	<a href="#">P55884</a>
Reactivity	Human, Mouse, Monkey
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	92482

## Additional Information

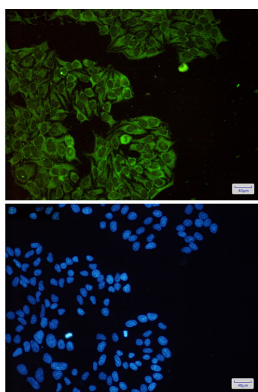
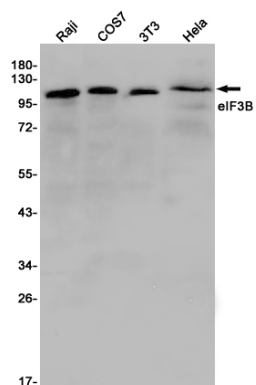
Gene ID	8662
Other Names	EIF3B
Dilution	WB~~1/500-1/1000 IP~~N/A ICC~~N/A
Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

Name	EIF3B {ECO:0000255   HAMAP-Rule:MF_03001}
Function	<p>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>).</p>
Cellular Location	Cytoplasm {ECO:0000255   HAMAP-Rule:MF_03001}. Cytoplasm, Stress granule. Note=Localizes to stress granules following cellular stress

## Images

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