

eIF3B Rabbit mAb

Catalog # AP75387

Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | P55884 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Monoclonal Antibody |
| Calculated MW | 92482 |

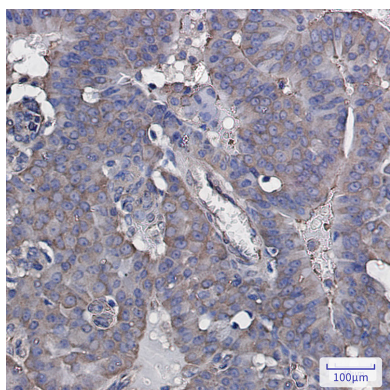
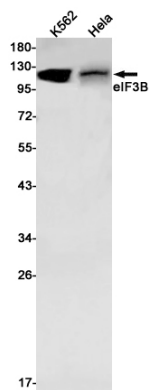
Additional Information

| | |
|-------------|-----------------------------|
| Gene ID | 8662 |
| Other Names | EIF3B |
| Dilution | WB~~1/500-1/1000 IHC-P~~N/A |
| Format | Liquid |

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:17581632, PubMed:25849773, PubMed:27462815, PubMed:9388245). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAⁱ 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:17581632, PubMed:9388245). 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:25849773).</p> |
| Cellular Location | Cytoplasm {ECO:0000255 HAMAP-Rule:MF_03001}. Cytoplasm, Stress granule. Note=Localizes to stress granules following cellular stress |

Images



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