

## eIF3B Rabbit mAb

Catalog No: #52262

Package Size: #52262-1 50ul #52262-2 100ul

Orders: order@signalwayantibody.com

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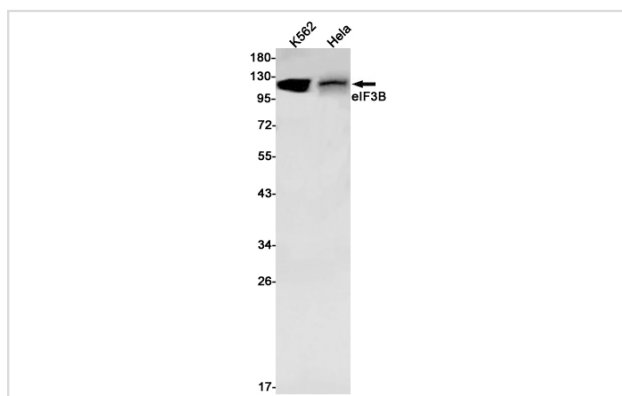
## Description

Product Name	eIF3B Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S09-2A9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IHC
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human eIF3B
Conjugates	Unconjugated
Modification	Unmodification
Other Names	PRT1; EIF3S9; EIF3-ETA; EIF3-P110; EIF3-P116
Accession No.	Swiss-Prot:P55884GenelD:8662
Calculated MW	Calculated MW: 93 kDa; Observed MW: 117 kDa
Formulation	50nM 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.

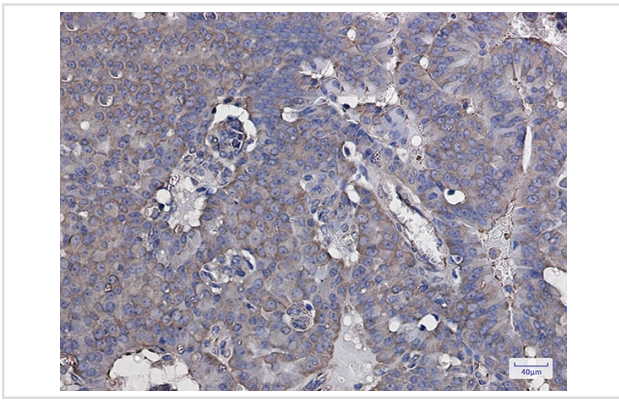
## Application Details

WB: 1/1000-1/5000; IHC: 1/20-1/50

## Images



Western blot detection of eIF3B in K562, HeLa cell lysates using eIF3B Rabbit mAb(1:1000 diluted). Predicted band size: 93kDa. Observed band size: 117kDa.



Immunohistochemistry of eIF3B in paraffin-embedded Human breast cancer tissue using eIF3B Rabbit mAb at dilution 1/20

## Background

Swiss-Prot Acc.P55884.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:9388245, PubMed:17581632, PubMed:25849773, PubMed:27462815). 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:9388245, PubMed:17581632). 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).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.