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Datasheet for ABIN6140053  
**anti-EIF3B antibody (AA 100-350)**

3 Images

Overview

Quantity:	100 µL
Target:	EIF3B
Binding Specificity:	AA 100-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF3B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 100-350 of human eIF3B (NP_003742.2).
Sequence:	PVPAQGEAPG EQARDERSDS RAQAVSEDAG GNEGRAAEAE PRALENGDAD EPSFSDPEDF VDDVSEEEEL GDVLKDRPQE ADGIDSVIVV DNVPQVGPDR LEKLNVIHK IFSKFGKITN DFYPEEDGKT KGYIFLEYAS PAHAVDAVKN ADGYKLDKQH TFRVNLFTDF DKYMTISDEW DIPEKQPFKD LGNLRYWLEE AECRDQYSVI FESGDRTSIF WNDVKDPVSI EERARWTETY VRWSPKGTYL A
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

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Target:	EIF3B
Alternative Name:	EIF3B ( <a href="#">EIF3B Products</a> )
Background:	<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. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA<sup>i</sup> 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. 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.,EIF3B,EIF3-ETA,EIF3-P110,EIF3-P116,EIF3S9,PRT1,Epigenetics &amp; Nuclear Signaling,EIF3B</p>
Molecular Weight:	92 kDa/99 kDa
Gene ID:	8662
UniProt:	<a href="#">P55884</a>
Pathways:	<a href="#">Ribonucleoprotein Complex Subunit Organization</a>

## Application Details

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Application Notes:	WB,1:1000 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

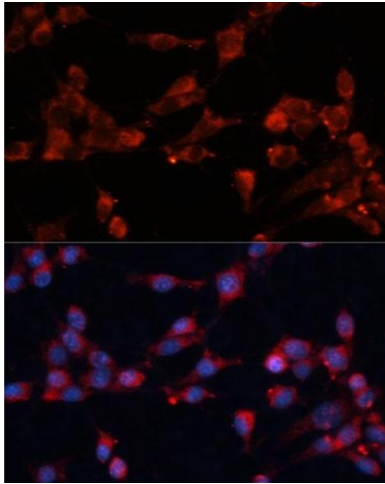
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

## Handling

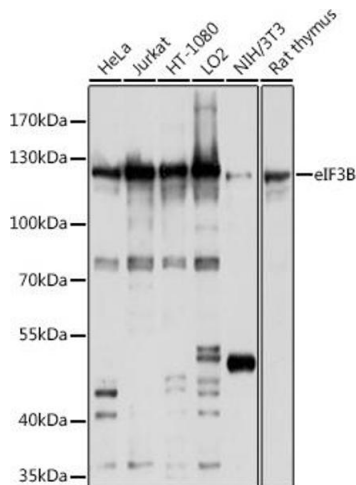
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

## Images



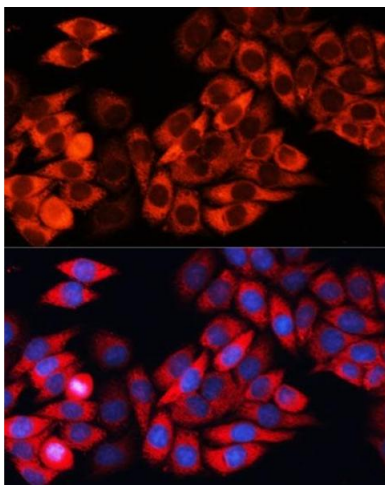
### Immunofluorescence

**Image 1.** Immunofluorescence analysis of NIH-3T3 cells using eIF3B Polyclonal Antibody (ABIN6130364, ABIN6140053, ABIN6140054 and ABIN6214441) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



### Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines, using eIF3B antibody (ABIN6130364, ABIN6140053, ABIN6140054 and ABIN6214441) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.



### Immunofluorescence

**Image 3.** Immunofluorescence analysis of HeLa cells using eIF3B Polyclonal Antibody (ABIN6130364, ABIN6140053, ABIN6140054 and ABIN6214441) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.