

eIF3A Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58097**Specification**

eIF3A Polyclonal Antibody - Product Information

Application	IHC-P, WB
Primary Accession	Q14152
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	166569

eIF3A Polyclonal Antibody - Additional Information**Gene ID** 8661**Other Names**

Eukaryotic translation initiation factor 3 subunit A {ECO:0000255|HAMAP-Rule:MF_03000}, eIF3a {ECO:0000255|HAMAP-Rule:MF_03000}, Eukaryotic translation initiation factor 3 subunit 10 {ECO:0000255|HAMAP-Rule:MF_03000}, eIF-3-theta {ECO:0000255|HAMAP-Rule:MF_03000}, eIF3 p167, eIF3 p180, eIF3 p185, EIF3A {ECO:0000255|HAMAP-Rule:MF_03000}

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

eIF3A Polyclonal Antibody - Protein Information**Name** EIF3A {ECO:0000255|HAMAP-Rule:MF_03000}**Function**

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). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNA_i 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:11169732). 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, PubMed:27462815).

Cellular Location

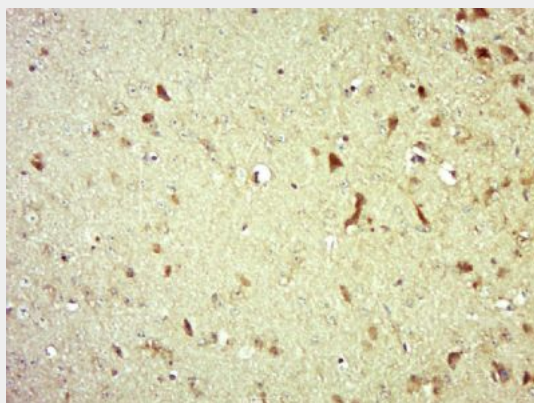
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03000, ECO:0000269|PubMed:9150439}

eIF3A Polyclonal Antibody - Protocols

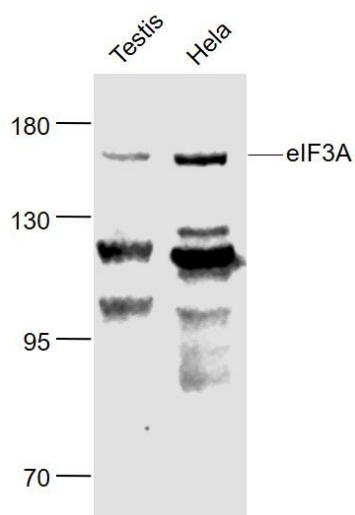
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

eIF3A Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (eIF3A) Polyclonal Antibody, Unconjugated (bs-3840R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

**Sample:**

Testis (Mouse) Lysate at 40 ug

HeLa(Human) Cell Lysate at 30 ug

Primary: Anti- eIF3A (bs-3840R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 166 kD

Observed band size: 166 kD