

Rabbit anti-Human EIF3F Polyclonal Antibody | anti-EIF3F antibody

Anti-EIF3F Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256390	Rabbit	Human	Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

EIF3F; Polyclonal Antibody; Anti-EIF3F Antibody; Rabbit Polyclonal; EIF3F Antibody; Rabbit PAb; Antigen Affinity Purified; eukaryotic translation initiation factor 3 subunit F; Anti-EIF3-p47 Antibody; Anti-EIF3S5 Antibody; anti-EIF3F antibody

PRODUCT SPECIFICATIONS

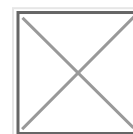
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human EIF3F
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-EIF3F antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human EIF3F fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human EIF3F fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

EIF3F was immunoprecipitated using: Lane A: 0.5 mg HeLa Whole Cell Lysate 4 uL anti-EIF3F rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-EIF3F rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Clean-Blot IP Detection Reagent (HRP) at 1:1000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 38 kDa. Observed band size: 45 kDa.



IF (Immunofluorescence)

Immunofluorescence staining of EIF3F in U2OS cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human EIF3F polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor 488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human EIF3F in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human EIF3F in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-EIF3F rabbit polyclonal antibody at 1:500 dilution
Lane A: HeLa Whole Cell Lysate
Lane B: NIH3T3 Whole Cell Lysate
Lane C: Jurkat Whole Cell Lysate
Lane D: COLO205 Whole Cell Lysate
Lysates/proteins at 30 ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.
Developed using the ECL technique.
Performed under reducing conditions.
Predicted band size: 38 kDa
Observed band size: 45 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-EIF3F antibody

Eukaryotic translation initiation factor 3, subunit F (eIF3f), a component of eIF3 complex, plays an important role in protein synthesis regulation, although its physiological functions are unknown. eIF3f is one of the 13 subunits of the translation initiation factor complex eIF3 required for several steps in the initiation of mRNA translation. eIF3f is a multifunctional protein capable of interacting with proteins involved in different cellular processes, such as protein synthesis, DNA repair, and viral mRNA edition. In human cells, eIF3f is related to cell cycle and proliferation, and its deregulation compromises cell viability. In muscular cells, eIF3f activates protein synthesis by allowing physical interaction between the mechanistic target of rapamycin complex 1 (MTORC1) and ribosomal protein S6 kinase 1 (S6K1). The f subunit of the eukaryotic initiation factor 3 (eIF3f) is downregulated in several cancers and in particular in melanoma and pancreatic cancer cells.

References

Sanchez AM, et al. (2013) Eif3f: A central regulator of the antagonism atrophy/hypertrophy in skeletal muscle. *Int J Biochem Cell Biol* 45 (10): 2158-2162.
Marchione R, et al. (2015) Md11-mediated delivery of recombinant eif3f induces melanoma and colorectal carcinoma cell death. *Mol Ther Methods Clin Dev* 2 14056.
Gutierrez-Fernandez MJ, et al. (2015) The eukaryotic translation initiation factor 3f (eif3f) interacts physically with the alpha 1b-adrenergic receptor and stimulates adrenoceptor activity. *BMC Biochem* 16 25.
Docquier A, et al. (2019) Eif3f depletion impedes mouse embryonic development, reduces adult skeletal muscle mass and amplifies muscle loss during disuse. *J Physiol* 597 (12): 3107-3131.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif3f-antibody-immunoprecipitation-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/256390>