

Anti-EIF3F Antibody

Rabbit polyclonal antibody to EIF3F Catalog # AP59749

Specification

Anti-EIF3F Antibody - Product Information

Host Rabbit
Clonality Polyclonal
Calculated MW 37564

Anti-EIF3F Antibody - Additional Information

Gene ID 8665

Other Names

EIF3S5; Eukaryotic translation initiation factor 3 subunit F; eIF3f; Deubiquitinating enzyme eIF3f; Eukaryotic translation initiation factor 3 subunit 5; eIF-3-epsilon; eIF3 p47

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF3F. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000), IP (1/10 - 1/100) IP~~N/A

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-EIF3F Antibody - Protein Information

Name EIF3F {ECO:0000255|HAMAP-Rule:MF_03005}

Function

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). 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). 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).

Cellular Location

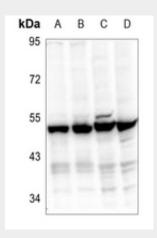
Cytoplasm {ECO:0000255|HAMAP-Rule:MF_03005}.

Anti-EIF3F Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

Anti-EIF3F Antibody - Images



Western blot analysis of EIF3F expression in HepG2 (A), MCF7 (B), AML12 (C), PC12 (D) whole cell lysates.

Anti-EIF3F Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EIF3F. The exact sequence is proprietary.