

# Anti-EIF3F Antibody

Rabbit polyclonal antibody to EIF3F

Catalog # AP59749

## Product Information

Application	WB, IP
Primary Accession	<a href="#">O00303</a>
Other Accession	<a href="#">Q9DCH4</a>
Reactivity	Human, Mouse, Rat, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37564

## 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

## 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: <a href="#">17581632</a> , PubMed: <a href="#">25849773</a> , PubMed: <a href="#">27462815</a> ). 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: <a href="#">17581632</a> ). 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}.

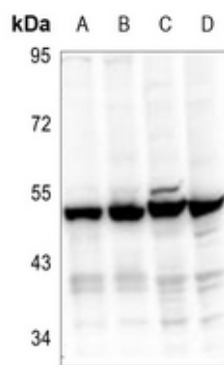
## Background

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

## Images

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.