

eIF4A1 Antibody
Rabbit mAb
Catalog # AP91777

Specification

eIF4A1 Antibody - Product Information

Application	WB, FC, ICC
Primary Accession	P60842
Reactivity	Rat
Clonality	Monoclonal

Other Names

DDX2; DDX2A; eIF 4A I; EIF4A; eIF4A I; eIF4A-I; EIF4A1;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	46154 Da

eIF4A1 Antibody - Additional Information

Dilution	WB~~1:1000 FC~~1:10~50 ICC~~N/A
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human eIF4A1
Description	ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

eIF4A1 Antibody - Protein Information

Name EIF4A1

Synonyms DDX2A, EIF4A

Function

ATP-dependent RNA helicase which is a subunit of the eIF4F complex involved in cap recognition and is required for mRNA binding to ribosome (PubMed: [20156963](http://www.uniprot.org/citations/20156963)). In the current model of translation initiation, eIF4A unwinds RNA secondary structures in the 5'-UTR of mRNAs which is necessary to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon. As a result, promotes cell proliferation and growth (PubMed: [20156963](http://www.uniprot.org/citations/20156963)).

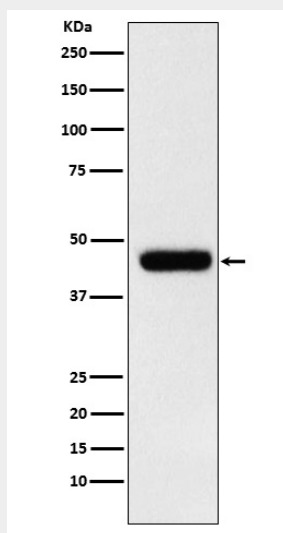
Cellular Location

Cytoplasm, perinuclear region. Cell membrane. Cytoplasm, Stress granule. Note=Colocalizes with PKP1 in stress granules following arsenate or hydrogen peroxide treatment

eIF4A1 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](#)

eIF4A1 Antibody - Images

Western blot analysis of eIF4A1 expression in MCF7 cell lysate.