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KD-Validated Anti-EIF4A1 Rabbit Monoclonal Antibody

Rabbit monoclonal antibody
Catalog # AGI1357

Product Information

Application	WB, FC
Primary Accession	P60842
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	23GB3835
Calculated MW	46154
Gene Name	EIF4A1
Aliases	EIF4A1; Eukaryotic Translation Initiation Factor 4A1; DDX2A; EIF-4A; EIF4A; ATP-Dependent RNA Helicase EIF4A-1; Eukaryotic Initiation Factor 4A-I; EIF-4A-I; EIF4A-I; Eukaryotic Translation Initiation Factor 4A, Isoform 1; Eukaryotic Translation Initiation Factor 4A; Eukaryotic Initiation Factor 4A; EC 3.6.4.13; EC 3.6.1
Immunogen	A synthesized peptide derived from human eIF4A1

Additional Information

Gene ID	1973
Other Names	Eukaryotic initiation factor 4A-I, eIF-4A-I, eIF4A-I, 3.6.4.13, ATP-dependent RNA helicase eIF4A-1, EIF4A1, DDX2A, EIF4A

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

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