



IF4A3 rabbit pAb

Catalog No	YP-Ab-08839
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	EIF4A3 DDX48 KIAA0111
Immunogen	Synthesized peptide derived from human IF4A3 AA range: 218-268
Specificity	This antibody detects endogenous levels of IF4A3 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Fal1; RCPS; DDX48; MUK34; NUK34; NMP265; eIF4AIII; eIF4A-III; eIF-4A-III; eIF4A3; IF4A3; EIF4A3 DDX48 KIAA0111
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus . Nucleus speckle . Cytoplasm . Nucleocytoplasmic shuttling protein. Travels to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA. Detected in dendritic layer as well as the nuclear and cytoplasmic (somatic) compartments of neurons. Colocalizes with STAU1 and FMR1 in dendrites (By similarity). .
Tissue Specificity	Ubiquitously expressed.
Function	function: Binds to spliced mRNAs and is involved in nonsense-mediated decay of mRNAs containing premature stop codons., similarity: Belongs to the DEAD box helicase family. eIF4A subfamily., similarity: Contains 1 helicase ATP-binding domain., similarity: Contains 1 helicase C-terminal domain., subunit: Identified in the spliceosome C complex, at least composed of AQR, ASCC3L1, C19orf29, CDC40, CDC5L, CRNKL1, DDX23, DDX41, DDX5, DGCR14, DHX35, DHX38, DHX8, EFTUD2, EIF4A3, FRG1, GPATC1, HNRPA1, HNRPA2B1, HNRPA3, HNRPC, HNRPF, HNRPH1, HNRPK, HNRPM, HNRPR, HNRPU, KIAA1160,



KIAA1604, LSM2, LSM3, MAGOH, MORG1, PABPC1, PLRG1, PNN, PP1E, PP1L1, PP1L3, PPWD1, PRPF19, PRPF4B, PRPF6, PRPF8, RALY, RBM22, RBM8A, RBMX, SART1, SF3A1, SF3A2, SF3A3, SF3B1, SF3B2, SF3B3, SFRS1, SKIV2L2, SNRPA1, SNRPB, SNRPB2, SNRPD1, SNRPD2, SNRPD3, SNRPE, SNRPF, SNRPG, SNW1, SRRM1, SRRM2, SYF2, SYNCRIP, TFIP11, THOC4, U2AF1, WDR

Background

This gene encodes a member of the DEAD box protein family. DEAD box proteins, characterized by the conserved motif Asp-Glu-Ala-Asp (DEAD), are putative RNA helicases. They are implicated in a number of cellular processes involving alteration of RNA secondary structure, such as translation initiation, nuclear and mitochondrial splicing, and ribosome and spliceosome assembly. Based on their distribution patterns, some members of this family are believed to be involved in embryogenesis, spermatogenesis, and cellular growth and division. The protein encoded by this gene is a nuclear matrix protein. Its amino acid sequence is highly similar to the amino acid sequences of the translation initiation factors eIF4A1 and eIF4AII, two other members of the DEAD box protein family. [provided by RefSeq, Jul 2008],

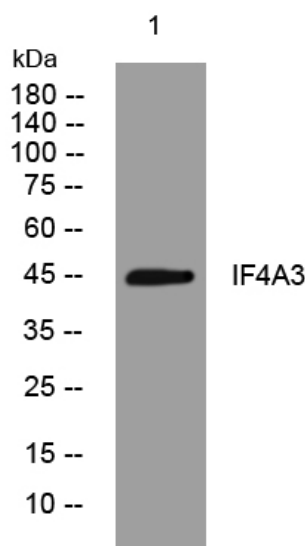
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night