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eIF4H Rabbit pAb

Catalog # AP98836

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q15056
Other Accession	Q15056
Reactivity	Human
Predicted	Rat, Pig, Orangutan, Mouse, Rabbit, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27385
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human eIF4H
Epitope Specificity	31-130/248
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 RRM (RNA recognition motif) domain.
DISEASE	Note=EIF4H is located in the Williams-Beuren syndrome (WBS) critical region. WBS results from a hemizygous deletion of several genes on chromosome 7q11.23, thought to arise as a consequence of unequal crossing over between highly homologous low-copy repeat sequences flanking the deleted region. Haploinsufficiency of EIF4H may be the cause of certain cardiovascular and musculo-skeletal abnormalities observed in the disease.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes one of the translation initiation factors, which functions to stimulate the initiation of protein synthesis at the level of mRNA utilization. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	7458
Other Names	IF4H_BOVIN; EIF4H; eIF-4H; IF4H_HUMAN; Williams-Beuren syndrome chromosomal region 1 protein; KIAA0038; WBSCR1; WSCR1; IF4H_MOUSE; Williams-Beuren syndrome chromosomal region 1 protein homolog; IF4H_PONAB; IF4H_RAT; eukaryotic translation initiation factor 4H; Williams-Beuren syndrome chromosome region 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	EIF4H
Synonyms	KIAA0038, WBSCR1, WSCR1
Function	Stimulates the RNA helicase activity of EIF4A in the translation initiation complex. Binds weakly mRNA.
Cellular Location	Cytoplasm, perinuclear region.
Tissue Location	The short isoform is the predominant isoform and is expressed alone in liver and skeletal muscle. Both isoforms are expressed in fibroblast, spleen, testis and bone marrow. Levels are high in lung and pancreas and low in heart, frontal cortex and kidney

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