

EIF4H Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP12612c

Product Information

Application	IHC-P, WB, E
Primary Accession	Q15056
Other Accession	Q9WUK2 , NP_114381.1
Reactivity	Human
Predicted	Mouse, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32081
Calculated MW	27385
Antigen Region	127-156

Additional Information

Gene ID	7458
Other Names	Eukaryotic translation initiation factor 4H, eIF-4H, Williams-Beuren syndrome chromosomal region 1 protein, EIF4H, KIAA0038, WBSCR1, WSCR1
Target/Specificity	This EIF4H antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 127-156 amino acids from the Central region of human EIF4H.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	EIF4H Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

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

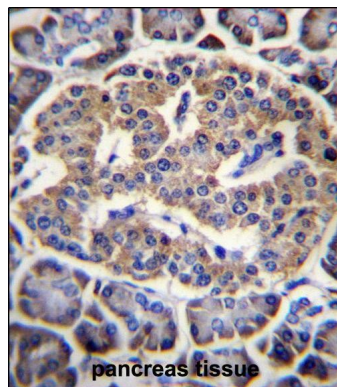
Background

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.

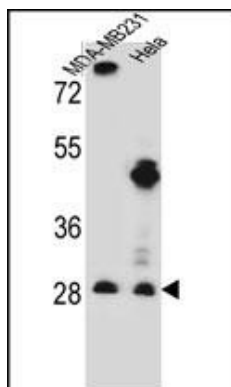
References

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Zhu, X., et al. Genet. Epidemiol. 34(2):171-187(2010)
Mokas, S., et al. Mol. Biol. Cell 20(11):2673-2683(2009)
Marintchev, A., et al. Cell 136(3):447-460(2009)
Rozovsky, N., et al. RNA 14(10):2136-2148(2008)

Images



EIF4H Antibody (Center) (Cat. #AP12612c) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of EIF4H Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



EIF4H Antibody (Center) (Cat. #AP12612c) western blot analysis in MDA-MB231, Hela cell line lysates (35ug/lane). This demonstrates the EIF4H antibody detected the EIF4H protein (arrow).