SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-eIF4H/PE Conjugated antibody

SL14553R-PE

Product Name	Anti-eIF4H/PE
Chinese Name	PE 标记的 eIF4H 蛋白抗体
Alias	AU018978; D5Ertd355e; E430026L18Rik; Ef4h; eIF 4H; eIF-4H; EIF4H; eukaryotic translation initiation factor 4H; IF4H_HUMAN; KIAA0038; WBSCR1; Williams Beuren syndrome chromosomal region 1 protein homolog; Williams Beuren syndrome chromosome region 1; Williams-Beuren syndrome chromosomal region 1 protein; Williams-Beuren syndrome chromosome region 1; WSCR1
Research Area	Cardiovascular Cell biology Developmental biology Neurobiology Transporter Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human(predicted:Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep, Orangutan)
Applications	IF=1:100-500 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	25kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human eIF4H
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	**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. [provided by RefSeq, Jul 2008]

Function:
Stimulates the RNA helicase activity of EIF4A in the translation initiation complex. Binds weakly mRNA.

Subcellular Location:
Cytoplasm; perinuclear region.

Tissue Specificity:
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.

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.

Similarity:
Contains 1 RRM (RNA recognition motif) domain.

Database links:

Entrez Gene: 7458 Human

Entrez Gene: 517409 Cow

Entrez Gene: 22384 Mouse

Entrez Gene: 288599 Rat

Omim: 603431 Human

SwissProt: Q1JPH6 Cow

SwissProt: Q15056 Human

SwissProt: Q9WUK2 Mouse

SwissProt: Q5RBR8 Orangutan

SwissProt: Q5XI72 Rat

Unigene: 520943 Human

Unigene: 27955 Mouse

Unigene: 79423 Rat

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.