Datasheet for ABIN2776554

anti-EIF4H antibody (Middle Region)

3 Images

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Overview

Quantity:	100 µL
Target:	EIF4H
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Horse, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4H antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human WBSCR1
Sequence:	DSRDDFNSGF RDDFLGGRGG SRPGDRRTGP PMGSRFRDGP PLRGSNMDFR
Predicted Reactivity:	Dog: 100%, Horse: 86%, Human: 100%, Mouse: 93%, Pig: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against WBSCR1. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	EIF4H
Alternative Name:	WBSCR1 (EIF4H Products)

Target Details

Background:	WBSCR1 is one of the translation initiation factors, which functions to stimulate the initiation of protein synthesis at the level of mRNA utilization.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. Alias Symbols: WSCR1, WBSCR1, eIF-4H Protein Interaction Partner: LNX1, C11orf68, UBC, GINS2, MAT2B, AHSA1, NDRG1, RPS6KA1, PGD, GLA, G6PD, EIF5, EEF2, CASP7, FN1, MRPL44, MRPL9, PUF60, NUDT21, HNRNPA0, SYNCRIP, HNRNPDL, EIF3A, TRA2B, SRSF3, RBMS2, ICT1, EIF4G2, EIF4E, EIF4A1, DGKQ, AI837181, Protein Size: 248
Molecular Weight:	27 kDa
Gene ID:	7458
NCBI Accession:	NM_022170, NP_071496
UniProt:	Q15056
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 248 AA
Restrictions:	For Research Use only

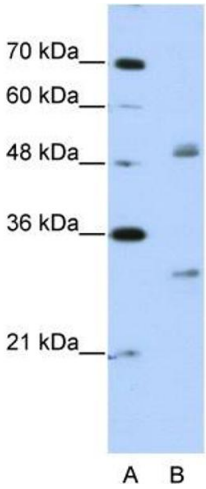
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

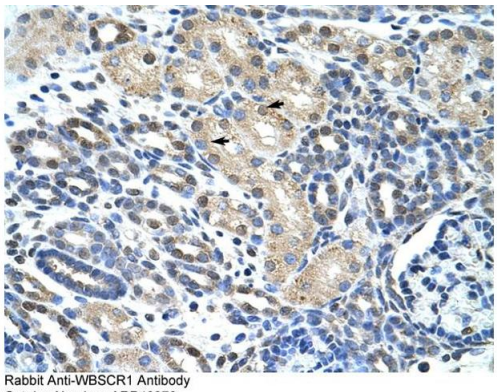
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

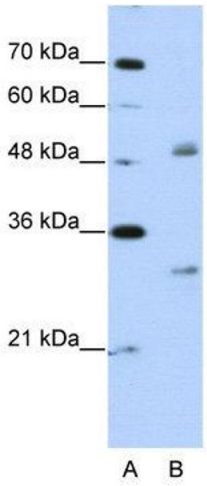
Image 1. WB Suggested Anti-WBSCR1 Antibody Titration: 2.5ug/ml Positive Control: Jurkat cell lysate EIF4H is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-WBSCR1 Antibody
Catalog Number: ARP40978
Lot Number: QC10246
Paraffin Embeded Tissue: Human Kidney
Cells with Positive label: Epithelial cells of renal tubule (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-WBSCR1 Antibody Paraffin Embedded Tissue: Human Kidney Cellular Data: Epithelial cells of renal tubule Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. WB Suggested Anti-WBSCR1

Antibody Titration: 2.5 µg/mL

Positive Control: Jurkat cell lysate

EIF4H is supported by BioGPS gene expression data to be expressed in Jurkat