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anti-EIF4G2 antibody (C-Term)

3 Images



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Quantity:	100 μL
Target:	EIF4G2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Horse, Guinea Pig, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4G2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human EIF4G2
Sequence:	KGFVNILMTS FLQYISSEVN PPSDETDSSS APSKEQLEQE KQLLLSFKPV
Sequence: Predicted Reactivity:	KGFVNILMTS FLQYISSEVN PPSDETDSSS APSKEQLEQE KQLLLSFKPV Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93%
	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%,
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93% This is a rabbit polyclonal antibody against EIF4G2. It was validated on Western Blot using a cell
Predicted Reactivity: Characteristics:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 100%, Rat: 93% This is a rabbit polyclonal antibody against EIF4G2. It was validated on Western Blot using a cell lysate as a positive control.

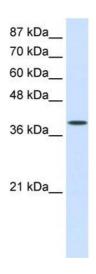
Target Details

Alternative Name:	EIF4G2 (EIF4G2 Products)		
Background:	Translation initiation is mediated by specific recognition of the cap structure by eukaryotic translation initiation factor 4F (eIF4F), which is a cap binding protein complex that consists of		
	three subunits: eIF4A, eIF4E and eIF4G. EIF4G2 shares similarity with the C-terminal region of		
	elF4G that contains the binding sites for elF4A and elF3, elF4G, in addition, contains a binding		
	site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independen		
	translation, EIF4G2 functions as a general repressor of translation by forming translationally		
	inactive complexes.		
	Alias Symbols: P97, AAG1, DAP5, NAT1		
	Protein Interaction Partner: SUMO2, UBC, SKIL, RPA2, ITGA4, FN1, Dlg4, POLDIP3, SLIRP,		
	EIF4G3, RAB7A, EIF4H, EIF4G1, EIF4B, EIF4A1, DCUN1D1, EIF3F, MKNK1, EIF2S2, EIF3A, EIF5,		
	EIF4A2, CASP3, NCBP1, EIF4E, MAGEA6,		
	Protein Size: 352		
Molecular Weight:	39 kDa		
Gene ID:	1982		
NCBI Accession:	NM_001042559		
UniProt:	P78344		
Application Details			
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.		
Comment:	Antigen size: 352 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		

Handling

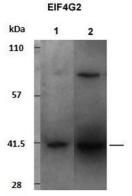
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-EIF4G2 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate



See Immunoblot 2 Data for more information.

Western Blotting

Image 2. Sample Type: 1. IAH30 cells (0.5x10⁶ cells loaded)

2. DF-1 cells (0.5x10⁶ cells loaded)

Primary Dilution: 1:1000

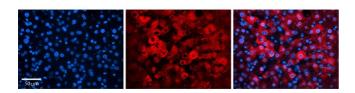
Secondary Antibody: Goat anti-rabbit IgG (whole molecule)

peroxidase

Secondary Dilution:1:10,000

Image Submitted By: Yongxiu Yao

Institute for Animal Health



Immunohistochemistry

Image 3. Rabbit Anti-EIF4G2 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Liver Tissue Observed Staining: Cytoplasm in hepatocytes Primary Antibody Concentration: N/A Other Working Concentrations: 1:600 Secondary Antibody: Donkey anti-Rabbit-Cy3 Secondary Antibody Concentration: 1:200 Magnification: 20X Exposure Time: 0.5 - 2.0 sec