

Rabbit EIF4G2 Polyclonal Antibody | anti-EIF4G2 antibody

EIF4G2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198635	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Immunohistochemistry, Western Blot

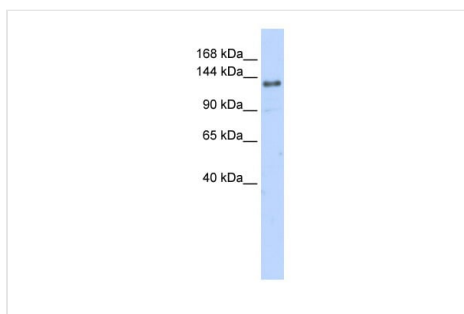
PRODUCT SYNONYMS

EIF4G2; Polyclonal Antibody; EIF4G2 antibody - N-terminal region; anti-EIF4G2 antibody

PRODUCT SPECIFICATIONS

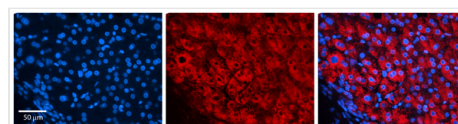
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: PN FDGPAAEGQP GQKQSTTFRR LLISKLQDEF ENRTRNVDVY DKRENPLL
Sequence Length	907
Applicable Applications for anti-EIF4G2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human EIF4G2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-EIF4G2 Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:312500
 Positive Control: 721_B cell lysate
 EIF4G2 is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells



IHC (Immunohistochemistry)

Rabbit Anti-EIF4G2 Antibody
 Formalin Fixed Paraffin Embedded Tissue: Human Liver
 Tissue
 Observed Staining: Cytoplasm in hepatocytes
 Primary Antibody Concentration: 1:100
 Other Working Concentrations: N/A
 Secondary Antibody: Donkey anti-Rabbit-Cy3
 Secondary Antibody Concentration: 1:200
 Magnification: 20X
 Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-EIF4G2 antibody	This is a rabbit polyclonal antibody against EIF4G2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: 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 eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, EIF4G2 functions as a general repressor of translation by forming translationally inactive complexes. 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. The protein encoded by this gene shares similarity with the C-terminal region of eIF4G that contains the binding sites for eIF4A and eIF3; eIF4G, in addition, contains a binding site for eIF4E at the N-terminus. Unlike eIF4G, which supports cap-dependent and independent translation, this gene product functions as a general repressor of translation by forming translationally inactive complexes. In vitro and in vivo studies indicate that translation of this mRNA initiates exclusively at a non-AUG (GUG) codon. Alternatively spliced transcript variants encoding different isoforms of this gene have been described.
Product Categories/Family for anti-EIF4G2 antibody	Polyclonal; RNA Binding Proteins; Cell Cycle Proteins; Drugs and Drug Metabolism; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	289577080
NCBI GeneID	1982
NCBI Accession #	NP_001409
NCBI GenBank Nucleotide #	NM_001418
UniProt Accession #	P78344
Molecular Weight	102kDa
NCBI Official Full Name	eukaryotic translation initiation factor 4 gamma 2 isoform 1
NCBI Official Synonym Full Names	eukaryotic translation initiation factor 4 gamma 2
NCBI Official Symbol	EIF4G2
NCBI Official Synonym Symbols	P97; AAG1; DAP5; NAT1
NCBI Protein Information	eukaryotic translation initiation factor 4 gamma 2
UniProt Protein Name	Eukaryotic translation initiation factor 4 gamma 2
UniProt Gene Name	EIF4G2
UniProt Synonym Gene Names	DAP5; eIF-4-gamma 2; eIF-4G 2; eIF4G 2; DAP-5
UniProt Entry Name	IF4G2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eif4g2-antibody-immunohistochemistry-western-blot-elisa/198635>