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# Datasheet for ABIN2778919 anti-EIF4G1 antibody (Middle Region)

2 Images



#### Overview

Quantity:	100 μL
Target:	EIF4G1
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Horse, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EIF4G1 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Alternative Name:

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human EIF4G1
Sequence:	PAVPEVENQP PAGSNPGPES EGSGVPPRPE EADETWDSKE DKIHNAENIQ
Predicted Reactivity:	Cow: 79%, Guinea Pig: 86%, Horse: 79%, Human: 100%, Mouse: 86%, Rabbit: 86%, Rat: 86%
Characteristics:	This is a rabbit polyclonal antibody against EIF4G1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified
Target Details	
Target:	EIF4G1

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EIF4G1 (EIF4G1 Products)

## Target Details

Background:	EIF4G1 is a component of the protein complex EIF4F, which is involved in the recognition of the
	mRNA cap, ATP-dependent unwinding of 5'-terminal secondary structure, and recruitment of
	mRNA to the ribosome. The protein encoded by this gene is a component of the protein
	complex EIF4F, which is involved in the recognition of the mRNA cap, ATP-dependent
	unwinding of 5'-terminal secondary structure, and recruitment of mRNA to the ribosome.
	Alternative splicing results in five transcript variants encoding four distinct isoforms.
	Alias Symbols: DKFZp686A1451, EIF4F, EIF4G, p220, P220, EIF4GI, PARK18, EIF-4G1
	Protein Interaction Partner: POLDIP3, EIF4E, UBC, NCBP1, SUMO1, SUMO2, MDM2, LGR4,
	AIMP1, IQGAP1, EEF1E1, AIMP2, QARS, PTBP1, PSMB8, TARDBP, UBD, BRCA1, ITGA4, GK, FN1,
	HTRA2, ZFYVE9, VCAM1, HNRNPD, ESR1, EIF4G3, FTL, EIF4G2, RAB31, SF3A3, EIF4B, EIF4A1,
	TRAF2, CUL3, ISG15, YWHAZ, SI
	Protein Size: 1599
Molecular Weight:	175 kDa
Gene ID:	1981
NCBI Accession:	NM_182917, NP_886553
UniProt:	Q04637

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1599 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 Advice:	Avoid repeated freeze-thaw cycles.

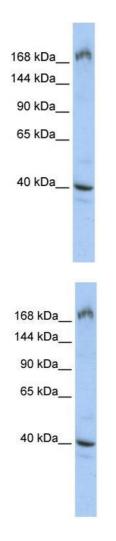
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### Handling

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-EIF4G1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: HepG2 cell lysate EIF4G1 is supported by BioGPS gene expression data to be expressed in HepG2

Western Blotting	
	Image 2. WB Suggested Anti-EIF4G1
	Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500
	Positive Control: HepG2 cell lysate
	EIF4G1 is supported by BioGPS gene expression data to be
	expressed in HepG2

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