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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.                                                                                     |

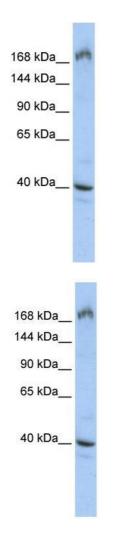
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### Handling

| 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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