

## Rabbit anti-Human Eukaryotic translation initiation factor 3 subunit G Polyclonal Antibody | anti-EIF3G antibody

Rabbit anti-human Eukaryotic translation initiation factor 3 subunit G polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS        |
|-----------|--------|------------|---------------------|
| AAA118241 | Rabbit | Human      | Western Blot, ELISA |

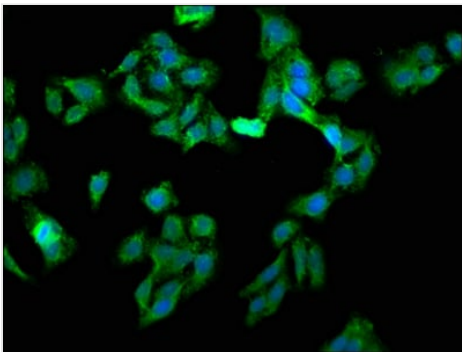
### PRODUCT SYNONYMS

Eukaryotic translation initiation factor 3 subunit G; Polyclonal Antibody; Rabbit anti-human Eukaryotic translation initiation factor 3 subunit G polyclonal Antibody; Eukaryotic translation initiation factor 3 RNA-binding subunit; Eukaryotic translation initiation factor 3 subunit 4; eIF-3-delta; eIF3 p42; eIF3 p44; EIF3S4; anti-EIF3G antibody

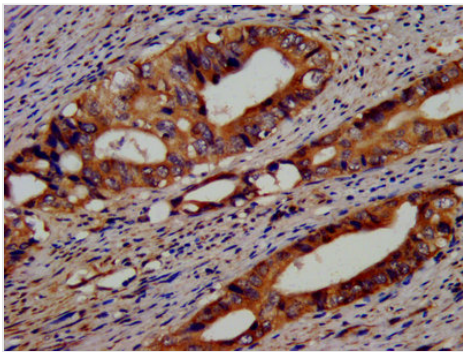
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                         |
| Reactivity                                      | Human                                                                                                          |
| Clonality                                       | Polyclonal                                                                                                     |
| Isotype                                         | IgG                                                                                                            |
| Purity/Purification                             | Caprylic Acid Ammonium Sulfate Precipitation Purified                                                          |
| Sequence Length                                 | 320                                                                                                            |
| Applicable Applications for anti-EIF3G antibody | WB (Western Blot), ELISA                                                                                       |
| Storage Buffer                                  | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                               |
| Conjugate                                       | Non-conjugated                                                                                                 |
| Immunogen                                       | Recombinant human Eukaryotic translation initiation factor 3 subunit G protein(2-320AA)                        |
| Santa Cruz Alternative                          | Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16362                                  |
| Preparation and Storage                         | Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze. |

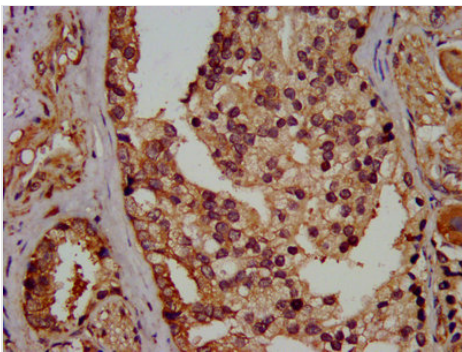
IMAGES



**IHC (Immunohistochemisry)**  
Immunofluorescence staining of HepG2 cells with AAA118241 at 1:133,counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C.The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG (H+L).



**IHC (Immunohiostchemistry)**  
IHC image of AAA118241 diluted at 1:400 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



**IHC (Immunohistochemistry)**  
IHC image of AAA118241 diluted at 1:400 and staining in paraffin-embedded human prostate cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-EIF3G antibody</b> | Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNAi and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation. This subunit can bind 18S rRNA. |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                           |                        |
|---------------------------|------------------------|
| NCBI GI #                 | 49472822               |
| NCBI GeneID               | 8666                   |
| NCBI Accession #          | NP_003746.2            |
| NCBI GenBank Nucleotide # | NM_003755.3            |
| UniProt Accession #       | O75821; O14801; Q969U5 |
| Molecular Weight          | 35,611 Da              |

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI Official Full Name          | eukaryotic translation initiation factor 3 subunit G |
| NCBI Official Synonym Full Names | eukaryotic translation initiation factor 3 subunit G |
| NCBI Official Symbol             | EIF3G                                                |
| NCBI Official Synonym Symbols    | EIF3S4; EIF3-P42; eIF3-p44; eIF3-delta               |
| NCBI Protein Information         | eukaryotic translation initiation factor 3 subunit G |
| UniProt Protein Name             | Eukaryotic translation initiation factor 3 subunit G |
| UniProt Gene Name                | <b>EIF3G</b>                                         |
| UniProt Synonym Gene Names       | eIF3g; eIF-3 RNA-binding subunit                     |
| UniProt Entry Name               | EIF3G_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/eukaryotic-translation-initiation-factor-3-subunit-g-antibody-western-blot-elisa/118241>