

## ARG10768 anti-eIF6 antibody

Package: 50 µg  
Store at: -20°C

### Summary

|                     |  |
|---------------------|--|
| Product Description | Rabbit Polyclonal antibody recognizes eIF6   |
| Tested Reactivity   | Hu, Ms, Rat  |
| Tested Application  | ICC/IF, IHC-P, WB  |
| Host                | Rabbit   |
| Clonality           | Polyclonal   |
| Isotype             | IgG  |
| Target Name         | eIF6   |
| Species             | Human  |
| Immunogen           | Synthetic peptide around aa. 66-210 of Human eIF6.   |
| Conjugation         | Un-conjugated  |
| Alternate Names     | eIF-6; p27(BBP); b(2)gcn; p27BBP; EIF3A; Eukaryotic translation initiation factor 6; ITGB4BP; p27; 2; CAB; B4 integrin interactor; BBP |

### Application Instructions

| Application table | Application  | Dilution        |
|-------------------|--|-----------------|
|                   | ICC/IF   | 0.5 - 1.0 µg/ml |
|                   | IHC-P  | 0.5 - 1.0 µg/ml |
|                   | WB   | 0.1 - 0.5 µg/ml |
| Application Note  | IHC-P and ICC: Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.<br>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |                 |

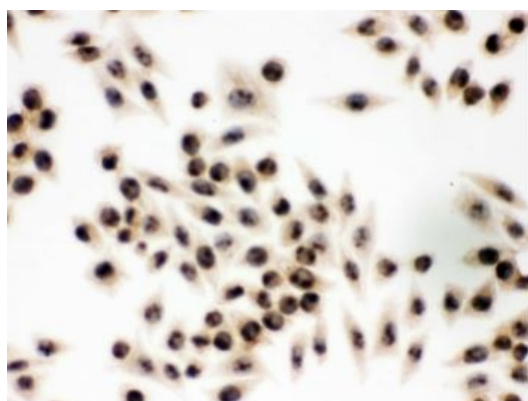
### Properties

|                     |  |
|---------------------|--|
| Form                | Liquid   |
| Purification        | Affinity purification with immunogen.  |
| Buffer              | PBS, 0.025% Sodium azide and 2.5% BSA.   |
| Preservative        | 0.025% Sodium azide  |
| Stabilizer          | 2.5% BSA   |
| Concentration       | 0.5 mg/ml  |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |

## Bioinformation

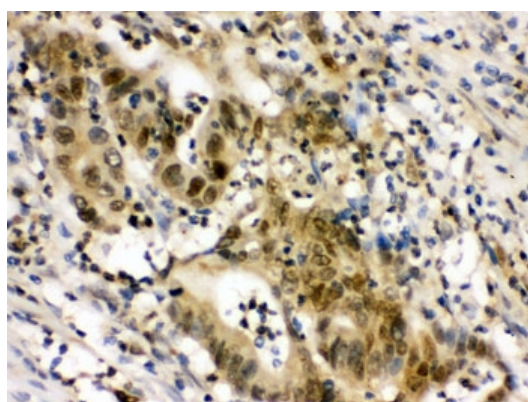
|                       |  |
|-----------------------|--|
| Gene Symbol           | EIF6   |
| Gene Full Name        | eukaryotic translation initiation factor 6   |
| Background            | Hemidesmosomes are structures which link the basal lamina to the intermediate filament cytoskeleton. An important functional component of hemidesmosomes is the integrin beta-4 subunit (ITGB4), a protein containing two fibronectin type III domains. The protein encoded by this gene binds to the fibronectin type III domains of ITGB4 and may help link ITGB4 to the intermediate filament cytoskeleton. The encoded protein, which is insoluble and found both in the nucleus and in the cytoplasm, can function as a translation initiation factor and prevent the association of the 40S and 60S ribosomal subunits. Multiple non-protein coding transcript variants and variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2012] |
| Function              | Binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit to form the 80S initiation complex in the cytoplasm. May behave as a stimulatory translation initiation factor downstream insulin/growth factors. Is also involved in ribosome biogenesis. Associates with pre-60S subunits in the nucleus and is involved in its nuclear export. Cytoplasmic release of TIF6 from 60S subunits and nuclear relocalization is promoted by a RACK1 (GNB2L1)-dependent protein kinase C activity. [UniProt]   |
| Calculated Mw         | 27 kDa   |
| PTM                   | Phosphorylation at Ser-174 and Ser-175 by CSNK1D/CK1 promotes nuclear export.  |
| Cellular Localization | Nuclear and cytoplasmic  |

## Images



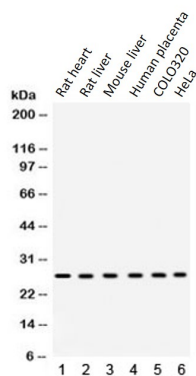
ARG10768 anti-eIF6 antibody ICC/IF image

Immunocytochemistry: Formalin-fixed and paraffin-embedded Human SMMC-7221 cells stained with ARG10768 anti-eIF6 antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.



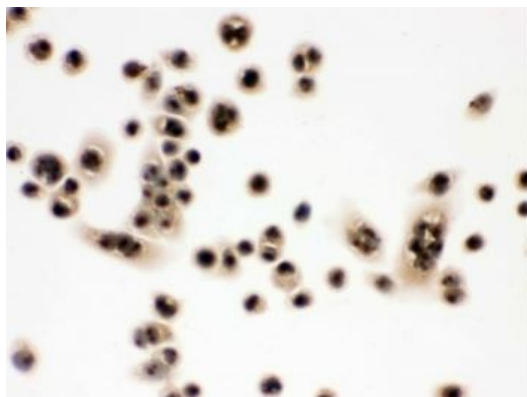
ARG10768 anti-eIF6 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human intestinal cancer tissue stained with ARG10768 anti-eIF6 antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.



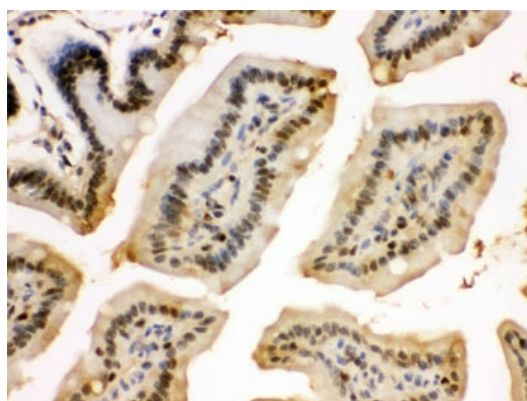
#### ARG10768 anti-eIF6 antibody WB image

Western blot: 1) Rat heart, 2) Rat liver, 3) Mouse liver, 4) Human placenta, 5) COLO320, and 6) HeLa lysates stained with ARG10768 anti-eIF6 antibody.



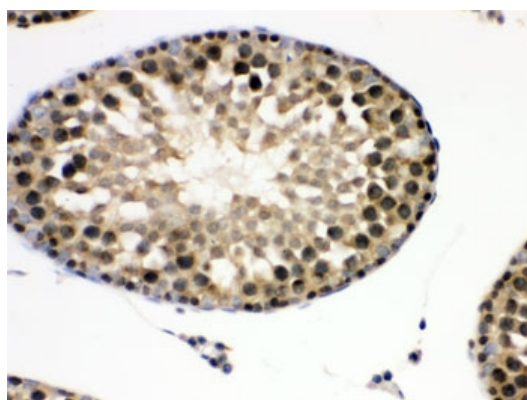
#### ARG10768 anti-eIF6 antibody ICC/IF image

Immunocytochemistry: Formalin-fixed and paraffin-embedded Human SW480 cells stained with ARG10768 anti-eIF6 antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.



#### ARG10768 anti-eIF6 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse intestine stained with ARG10768 anti-eIF6 antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.



#### ARG10768 anti-eIF6 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Rat testis stained with ARG10768 anti-eIF6 antibody. Antigen retrieval: Citrate buffer (10mM, pH 6.0), boiling bathing for 20 min.