



## Rabbit Anti-eIF6 antibody

SL3844R

<b>Product Name:</b>	eIF6
<b>Chinese Name:</b>	β4整合素Binding protein抗体
<b>Alias:</b>	b(2)gcn; B(2)GCN homolog; B4 integrin interactor; Binding protein of beta-4 integrin; CAB; eIF-6; EIF3A; EIF6; Eukaryotic translation initiation factor 3A; Eukaryotic translation initiation factor 6; IF6_HUMAN; ITGB4BP; OK/SW-cl.27; p27 beta 4 integrin binding protein; p27(BBP); p27BBP; RP4-614O4.1.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	27kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ITGB4BP:141-245/245
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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 Intergrin beta 4 binding protein 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 transcript variants encoding several different isoforms have been found for this gene.

**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.

**Subunit:**

Belongs to the eIF-6 family.

**Subcellular Location:**

Cytoplasm. Nucleus. nucleolus. Shuttles between cytoplasm and nucleus/nucleolus.

**Tissue Specificity:**

Expressed at very high levels in colon carcinoma with lower levels in normal colon and ileum and lowest levels in kidney and muscle (at protein level).

**Post-translational modifications:**

Phosphorylation at Ser-174 and Ser-175 by CSNK1D/CK1 promotes nuclear export.

**Similarity:**

Belongs to the eIF-6 family.

**SWISS:**

16418

**Gene ID:**

3692

**Database links:**

[Entrez Gene: 3692](#)Human

[Entrez Gene: 419140](#)Chicken

[Entrez Gene: 286811](#)Cow

[Entrez Gene: 16418](#)Mouse

[Entrez Gene: 305506](#)Rat

[Entrez Gene: 100302338](#)Sheep

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)