

## ITGB4BP Antibody (C-term) Blocking peptide

Synthetic peptide Catalog # BP2907b

## **Specification**

# ITGB4BP Antibody (C-term) Blocking peptide - Product Information

Primary Accession P56537
Other Accession NP 002203

# ITGB4BP Antibody (C-term) Blocking peptide - Additional Information

### **Gene ID** 3692

#### **Other Names**

Eukaryotic translation initiation factor 6 {ECO:0000255|HAMAP-Rule:MF\_03132}, eIF-6 {ECO:0000255|HAMAP-Rule:MF\_03132}, B(2)GCN homolog, B4 integrin interactor, CAB, p27(BBP), EIF6 {ECO:0000255|HAMAP-Rule:MF\_03132}

### **Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

# **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

### **Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

## ITGB4BP Antibody (C-term) Blocking peptide - Protein Information

Name EIF6 {ECO:0000255|HAMAP-Rule:MF 03132, ECO:0000312|HGNC:HGNC:6159}

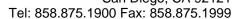
### **Function**

Binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit to form the 80S initiation complex in the cytoplasm (PubMed:<a

href="http://www.uniprot.org/citations/10085284" target="\_blank">10085284</a>, PubMed:<a href="http://www.uniprot.org/citations/14654845" target="\_blank">14654845</a>, PubMed:<a href="http://www.uniprot.org/citations/21536732" target="\_blank">21536732</a>, PubMed:<a href="http://www.uniprot.org/citations/32669547" target="\_blank">32669547</a>). Behaves 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 (RACK1)- dependent protein kinase C activity (PubMed:<a

href="http://www.uniprot.org/citations/10085284" target="\_blank">10085284</a>, PubMed:<a href="http://www.uniprot.org/citations/14654845" target="\_blank">14654845</a>, PubMed:<a href="http://www.uniprot.org/citations/21536732" target="\_blank">21536732</a>). In tissues responsive to insulin, controls fatty acid synthesis and glycolysis by exerting translational control of adipogenic transcription factors such as CEBPB, CEBPD and ATF4 that have G/C rich or uORF in







their 5'UTR. Required for ROS-dependent megakaryocyte maturation and platelets formation, controls the expression of mitochondrial respiratory chain genes involved in reactive oxygen species (ROS) synthesis (By similarity). Involved in miRNA-mediated gene silencing by the RNA-induced silencing complex (RISC). Required for both miRNA-mediated translational repression and miRNA-mediated cleavage of complementary mRNAs by RISC (PubMed:<a href="http://www.uniprot.org/citations/17507929" target=" blank">17507929</a>). Modulates cell cycle progression and global translation of pre-B cells, its activation seems to be rate-limiting in tumorigenesis and tumor growth (By similarity).

### **Cellular Location**

Cytoplasm. Nucleus, nucleolus. Note=Shuttles between cytoplasm and nucleus/nucleolus

#### **Tissue Location**

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).

# ITGB4BP Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

• Blocking Peptides

ITGB4BP Antibody (C-term) Blocking peptide - Images