

## anti- EIF6 antibody

### Product Information

Catalog No.:	FNab02731
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### Background

Binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit to form the 80S initiation complex in the cytoplasm. 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. 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(PubMed:26383020). Required for ROS-dependent megakaryocyte maturation and platelets formation, controls the expression of mitochondrial respiratory chain genes involved in reactive oxygen species(ROS) synthesis(PubMed:26391622). 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(By similarity). Modulates cell cycle progression and global translation of pre-B cells, its activation seems to be rate-limiting in tumorigenesis and tumor growth(PubMed:21665150).

### Immunogen information

Immunogen: eukaryotic translation initiation factor 6

### Wuhan Fine Biotech Co., Ltd.

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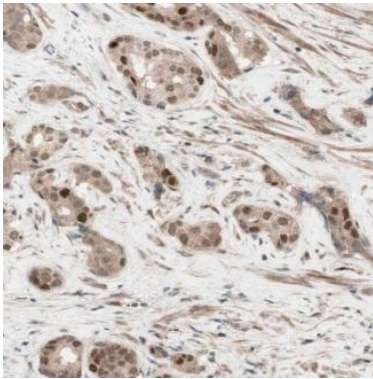
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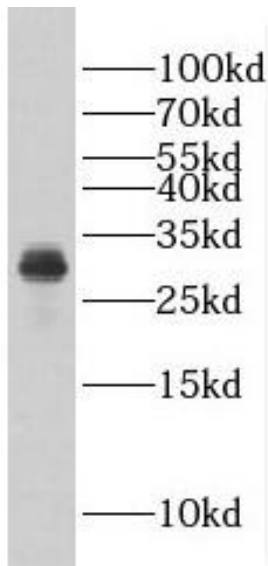
Synonyms: Itgb4bp  
Observed MW: 27-30 kDa  
UniprotID : O55135

### Application

Reactivity: Human, Mouse, Rat  
Tested Application: ELISA, WB, IHC  
Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200  
Image:



Immunohistochemistry of paraffin-embedded human prostate cancer using FNab02731(EIF6 antibody) at dilution of 1:50



COLO 320 cells were subjected to SDS PAGE followed by western blot with FNab02731(EIF6 antibody) at dilution of 1:1000

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