

**eIF6 Antibody**

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP, IHC-P, IF-IC	H M R	Endogenous	27	Rabbit	#P56537	3692

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation  
Immunohistochemistry (Paraffin)  
Immunofluorescence (Immunocytochemistry)

**Dilution**

1:1000  
1:50  
1:50  
1:100

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

eIF6 Antibody detects endogenous levels of total eIF6 protein.

**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human eIF6 protein. Antibodies are purified by protein A and peptide affinity chromatography.

**Background**

Eukaryotic initiation factor 6 (eIF6) is required for the 60S ribosomal subunit assembly in the nucleolus (1). In the cytoplasm, this protein is bound to 60S ribosome subunits and prevents them from joining 40S ribosome subunits to form 80S ribosomes (2). eIF6 is also shown to associate with the RNA-induced silencing complex (RISC) (3). Deletion of eIF6 abolishes the miRNA-mediated gene silencing (3). eIF6 may play its essential role in miRNA-mediated silencing by inhibiting translation initiation or ribosome recycling (3).

**Background References**

1. Sanvito, F. et al. (1999) *J Cell Biol* 144, 823-37.
2. Ceci, M. et al. (2003) *Nature* 426, 579-84.
3. Chendrimada, T.P. et al. (2007) *Nature* 447, 823-8.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation **IHC-P:** Immunohistochemistry (Paraffin) **IF-IC:** Immunofluorescence (Immunocytochemistry)

**Cross-Reactivity Key**

**H:** Human **M:** Mouse **R:** Rat

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