



Rabbit Anti-eIF3A antibody

SL3840R

Product Name:	eIF3A
Chinese Name:	真核翻译起始因子3A抗体
Alias:	centrosomin homolog; cytoplasmic protein p167; eIF 3 theta; eIF-3-theta; EIF3; eIF3 p167; eIF3 p170; eIF3 p180; EIF3 p180 subunit; eIF3 p185; eIF3 theta; eIF3a; EIF3S10; eukaryotic translation initiation factor 3 subunit 10 (theta 150 170kD); eukaryotic translation initiation factor 3 subunit 10 (theta 170kD); eukaryotic translation initiation factor 3 subunit 10 170kDa; Eukaryotic translation initiation factor 3 subunit 10; eukaryotic translation initiation factor 3 subunit 10 theta 150 170kDa; Eukaryotic translation initiation factor 3 subunit A; P167; p180; p185; TIF32.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=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.
Molecular weight:	166kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human eIF3A:801-900/1382
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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.
PubMed:	PubMed
Product Detail:	Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is

required for several steps in the initiation of protein synthesis. The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl-tRNA_i and eIF-5 to form the 43S preinitiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of posttermination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation.

Subcellular Location:

Cytoplasm.

Similarity:

Belongs to the eIF-3 subunit A family.
Contains 1 PCI domain.

SWISS:

Q14152

Gene ID:

8661

Database links:

[Entrez Gene: 8661](#)Human

[Entrez Gene: 13669](#)Mouse

[Entrez Gene: 292148](#)Rat

[Omim: 602039](#)Human

[SwissProt: Q14152](#)Human

[SwissProt: P23116](#)Mouse

[SwissProt: Q1JU68](#)Rat

[Unigene: 523299](#)Human

[Unigene: 713331](#)Human

[Unigene: 2238](#)Mouse

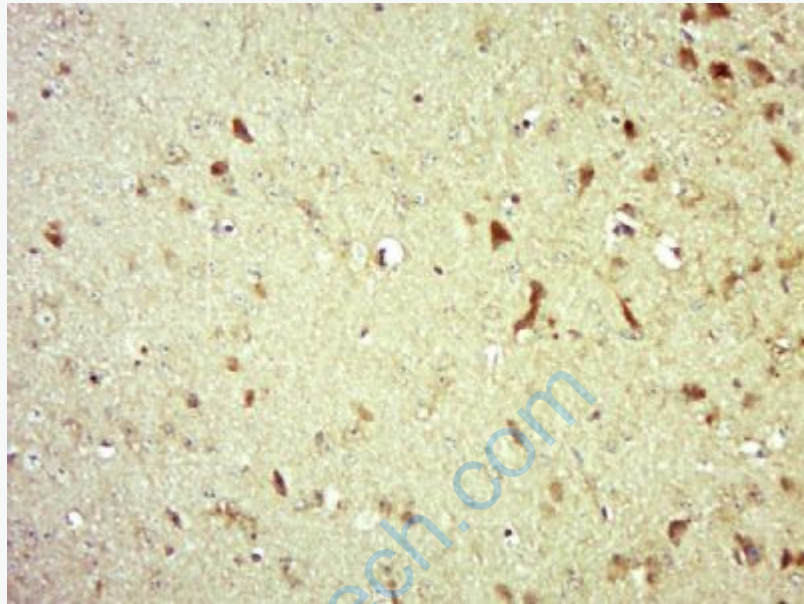
[Unigene: 482533](#)Mouse

[Unigene: 1644](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (eIF3A) Polyclonal Antibody, Unconjugated (SL3840R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.