



Rabbit Anti-EIF5 antibody

SL10035R

Product Name:	EIF5
Chinese Name:	真核翻译起始因子5抗体
Alias:	EIF 5; EIF 5A; Eukaryotic initiation factor 5; Eukaryotic translation initiation factor 5; IF5_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Cow,Horse,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	47kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human EIF5:331-431/431
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:	EIF5, Eukaryotic initiation factor 5, catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex. Function:

Catalyzes the hydrolysis of GTP bound to the 40S ribosomal initiation complex (40S.mRNA.Met-tRNA[F].eIF-2.GTP) with the subsequent joining of a 60S ribosomal subunit resulting in the release of eIF-2 and the guanine nucleotide. The subsequent joining of a 60S ribosomal subunit results in the formation of a functional 80S initiation complex (80S.mRNA.Met-tRNA[F]).

Similarity:

Belongs to the eIF-2-beta/eIF-5 family.
Contains 1 W2 domain.

SWISS:

P55010

Gene ID:

1983

Database links:

[Entrez Gene: 1983](#)Human

[Entrez Gene: 100047658](#)Mouse

[Entrez Gene: 217869](#)Mouse

[Entrez Gene: 56783](#)Rat

[Omim: 601710](#)Human

[SwissProt: P55010](#)Human

[SwissProt: P59325](#)Mouse

[SwissProt: Q07205](#)Rat

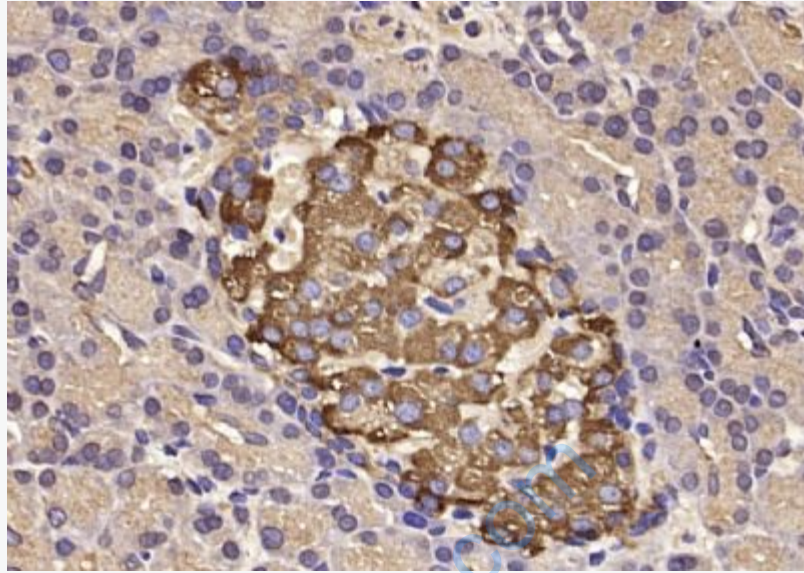
[Unigene: 433702](#)Human

[Unigene: 271222](#)Mouse

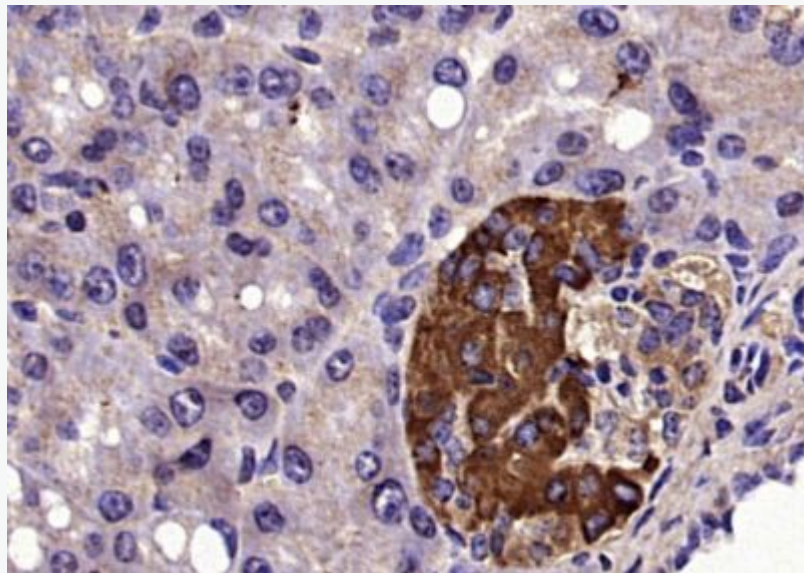
[Unigene: 40123](#)Rat

Important Note:

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



Paraformaldehyde-fixed, paraffin embedded (rat pancreas); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (EIF5) Polyclonal Antibody, Unconjugated (SL10035R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Picture:

Paraformaldehyde-fixed, paraffin embedded (mouse pancreas); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (EIF5) Polyclonal Antibody, Unconjugated (SL10035R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.

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