



Rabbit Anti-DNAJC3 antibody

SL1863R

Product Name:	DNAJC3
Chinese Name:	Interferon诱导蛋白p58ipk抗体
Alias:	DNAJC3; p58ipk; Protein Kinase Inhibitor P58; DnaJ homolog subfamily C member 3; HP58; Interferon induced, double stranded RNA activated protein kinase inhibitor; P58; p58 ipk ; P58IPK; PRKRI; Protein kinase inhibitor of 58 kDa; Protein kinase inhibitor p58; DNJC3_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
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:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human p58ipk:351-450/504
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:	DNAJC3 may act as an inhibitor of both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2/PKR to catalyze phosphorylation of the EIF2A. It also functions as a Co-chaperone of HSPA8/HSC70 and is involved in the unfolded protein response (UPR) during ER stress. It has been reported that this protein stimulates the ATPase

activity of HSPA8/HSC70. DNAJC3 is also involved in antiviral defense - it is activated in response to infection by influenza virus through the dissociation of DNAJB1. DNAJC3 is widely expressed and can be found at high levels in the testis and pancreas (expression in cell lines is variable).

Function:

Involved in the unfolded protein response (UPR) during ER stress. Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity.

Subcellular Location:

Endoplasmic reticulum.

Tissue Specificity:

Widely expressed with high level in the pancreas and testis. Also expressed in cell lines with different levels.

Similarity:

Contains 1 J domain.

Contains 9 TPR repeats.

SWISS:

Q13217

Gene ID:

5611

Database links:

[Entrez Gene: 5611](#)Human

[Entrez Gene: 100037258](#)Mouse

[Entrez Gene: 63880](#)Rat

[Omim: 601184](#)Human

[SwissProt: Q13217](#)Human

[SwissProt: Q91YW3](#)Mouse

[SwissProt: Q9R0T3](#)Rat

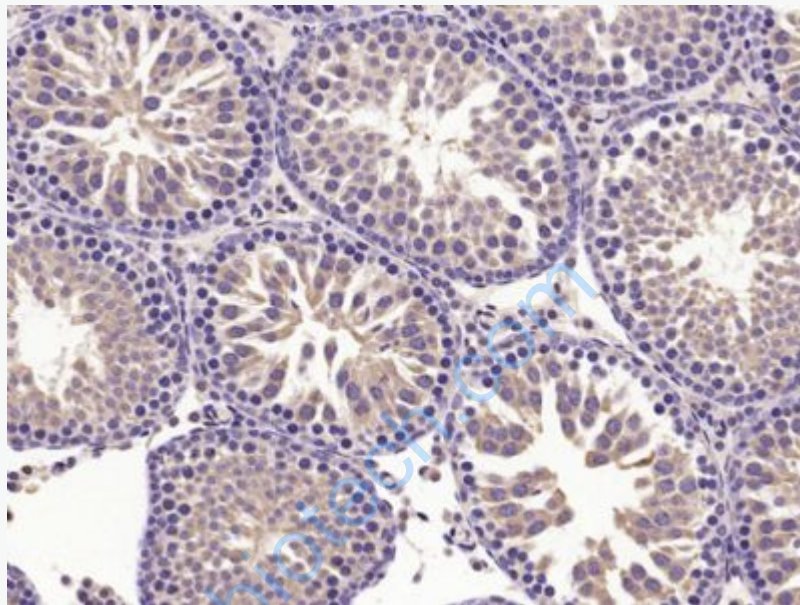
[Unigene: 59214](#)Human

[Unigene: 12616](#)Mouse

[Unigene: 162234](#)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 (Rat testis); 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 (DNAJC3) Polyclonal Antibody, Unconjugated (SL1863R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.