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[Primary Antibody]

Rabbit Anti-DNAJC21 antibody

Catalog Number: SL14387R

FOR RESEARCH USE ONLY

[DATASHEET]

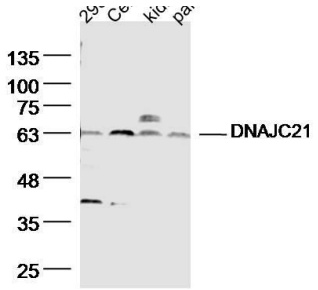
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DNAJC21
Immunogen:	KLH conjugated synthetic peptide derived from human DNAJC21: 11-120/531
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human, Mouse, (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Zebrafish, Sheep)
Predicted MW.:	62kDa
Subcellular Location:	The nucleus
Background:	With the presence of the J domain defining a protein as a member, the DnaJ family has evolved with diverse cellular localization and functions and is one of the largest chaperone families. DnaJ heat-shock-induced proteins are derived from the bacterium Escherichia coli and are controlled by the htpR regulatory protein. DnaJ proteins play a critical role in the HSP 70 chaperone machine by interacting with HSP 70 to stimulate ATP hydrolysis. Members of this family contain cysteine-rich regions composed of zinc fingers that form a peptide-binding domain responsible for chaperone function. DnaJ proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. DNAJC21

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

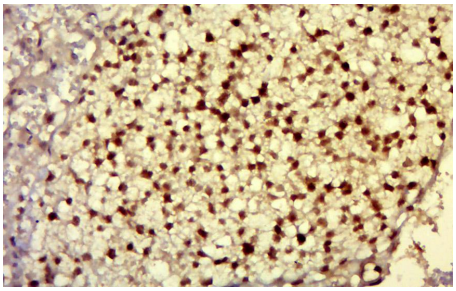
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	(DnaJ homolog subfamily C member 21), also known as DNAJA5 or JJJ1, is a 531 amino acid protein that contains two C2H2-type zinc fingers and one J domain. Expressed in placenta, pancreas, kidney and brain, DNAJC21 may be a co-chaperone for HSP 70. **Function:** May act as a co-chaperone for HSP70. **Tissue Specificity:** Brain, placenta, kidney and pancreas. **Similarity:** Contains 2 C2H2-type zinc fingers. Contains 1 J domain. **Database links:** **Entrez Gene:** 134218 Human **SwissProt:** Q5F1R6 Human **Unigene:** 131887 Human

[VALIDATION IMAGES]



Sample:
293T (human)Cell Lysate at 40 ug
Cerebrum (mouse) Lysate at 40 ug
kidney (mouse) Lysate at 40 ug
pancreas (mouse) Lysate at 40 ug
Primary: Anti- DNAJC21(SL14387R)at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62kD
Observed band size: 62kD



Paraformaldehyde-fixed, paraffin embedded (mouse placenta); 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 (DNAJC21) Polyclonal Antibody, Unconjugated (SL14387R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

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