

DNAJC21 Rabbit pAb

DNAJC21 Rabbit pAb

Catalog # AP55553

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q5F1R6
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Rabbit, Zebrafish, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	62028
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNAJC21
Epitope Specificity	11-120/531
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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 (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.

Additional Information

Gene ID	134218
Other Names	DnaJ homolog subfamily C member 21, DnaJ homolog subfamily A member 5, Protein GS3, DNAJC21, DNAJA5
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

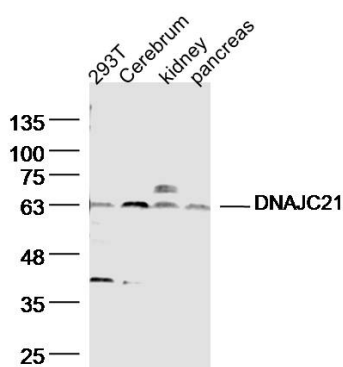
Protein Information

Name	DNAJC21
Synonyms	DNAJA5
Function	May act as a co-chaperone for HSP70. May play a role in ribosomal RNA (rRNA) biogenesis, possibly in the maturation of the 60S subunit. Binds the precursor 45S rRNA.
Cellular Location	Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Within the nucleus, localizes primarily to the nucleolus.
Tissue Location	Expressed in brain, placenta, kidney and pancreas.

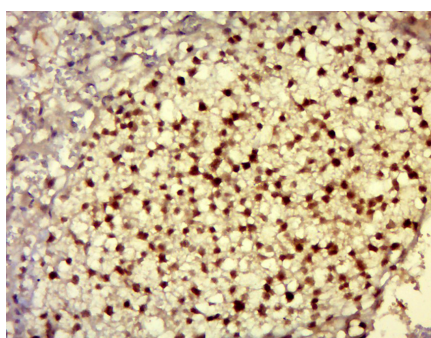
Background

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

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(AP55553) 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 (AP55553) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.