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[Primary Antibody]

Rabbit Anti-DNAJC14 antibody

Catalog Number: SL14381R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DNAJC14
Immunogen:	KLH conjugated synthetic peptide derived from human DNAJC14: 151-250/702
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:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Horse)
Predicted MW.:	79kDa
Subcellular Location:	cytoplasmic
Background:	The DnaJ family is one of the largest of all the chaperone families and has evolved with diverse cellular localization and functions. The presence of the J domain defines a protein as a member of the DnaJ family. DnaJ heat shock induced proteins are from the bacterium Escherichia coli and are under the control of the htpR regulatory protein. The DnaJ proteins play a critical role in the HSP 70 chaperone machine by interacting with HSP 70 to stimulate ATP hydrolysis. DnaJ proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. DnaJC14 (DnaJ homolog subfamily C member 14), also known as DRIP78 (Dopamine receptor-interacting protein

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	of 78 kDa) and HDJ3 (Human DnaJ protein 3), is a 702 amino acid endoplasmic reticulular membrane protein that contains one J domain. DnaJC14 regulates the export of target proteins, such as the dopamine D1 receptor (D1DR), from the endoplasmic reticulum to the cell surface. **Function:** Regulates the export of target proteins, such as DRD1, from the endoplasmic reticulum to the cell surface. **Subcellular Location:** Endoplasmic reticulum membrane. **Tissue Specificity:** Highly expressed in pancreas and selectively expressed in brain, lung, liver, skeletal muscle and kidney. **Similarity:** Contains 1 J domain. **Database links:** **Entrez Gene:** 85406 Human **Entrez Gene:** 74330 Mouse **Entrez Gene:** 114481 Rat Omim: 606092 Human **SwissProt:** Q6Y2X3 Human **SwissProt:** Q921R4 Mouse **SwissProt:** Q5XIX0 Rat **Unigene:** 709320 Human **Unigene:** 296915 Mouse **Unigene:** 114340 Rat

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