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HSP40 Rabbit pAb

Catalog # AP99437

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P25685
Other Accession	P25685
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38044
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human DNAJB4/HSP40 homolog
Epitope Specificity	151-250/337
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 J domain.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DNAJB4 is a member of the evolutionarily conserved DNAJ/HSP40 protein family.

Additional Information

Gene ID	3337
Other Names	HSPF1; Hdj1; Hsp40; RSPH16B; Sis1; 0610007I11Rik; DjB1; DNJB1_HUMAN; DNAJB1; DnaJ protein homolog 1; Heat shock 40 kDa protein 1 (HSP40 | Heat shock protein 40); Human DnaJ protein 1 (hDj-1); DNAJ1; DNJB1_MOUSE; DnaJ heat shock protein family (Hsp40) member B1; DnaJ (Hsp40) homolog, subfamily B, member 1; radial spoke 16 homolog B (Chlamydomonas)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=2 □g/Test
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	DNAJB1

Synonyms	DNAJ1, HDJ1, HSPF1
Function	Interacts with HSP70 and can stimulate its ATPase activity. Acts also with TTC1 as a chaperone adapter that regulates HSP70- dependent folding process by interacting with the HSP70 amino terminal region (PubMed:14503850). Stimulates the association between HSC70 and HIP. Negatively regulates heat shock-induced HSF1 transcriptional activity during the attenuation and recovery phase period of the heat shock response (PubMed:9499401). Stimulates ATP hydrolysis and the folding of unfolded proteins mediated by HSPA1A/B (in vitro) (PubMed:24318877).
Cellular Location	Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Translocates rapidly from the cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock

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