

HSP40 Rabbit pAb

Catalog # AP99437

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P25685
Other Accession	P25685
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; O610007I11Rik; 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 µg/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'.