

Product datasheet for **AP06173PU-M**

Hsp40 (DNAJB1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunofluorescence: 1/50-1/200. Immunohistochemistry on Paraffin Sections: 1/50-1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 270-320 of Human HSP40.
Specificity:	This antibody detects endogenous levels of HSP40/HDJ-1 protein. (region surrounding Pro303)
Formulation:	Phosphate buffered saline (PBS), pH~7.2 State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~40 kDa
Gene Name:	DnaJ heat shock protein family (Hsp40) member B1
Database Link:	Entrez Gene 3337 Human P25685



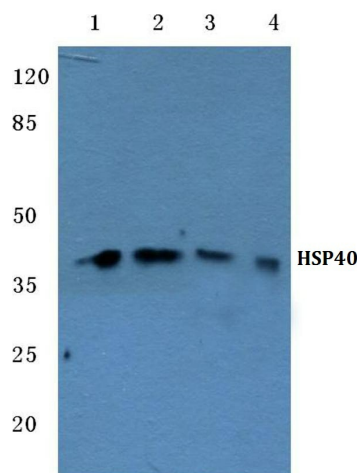
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Background:

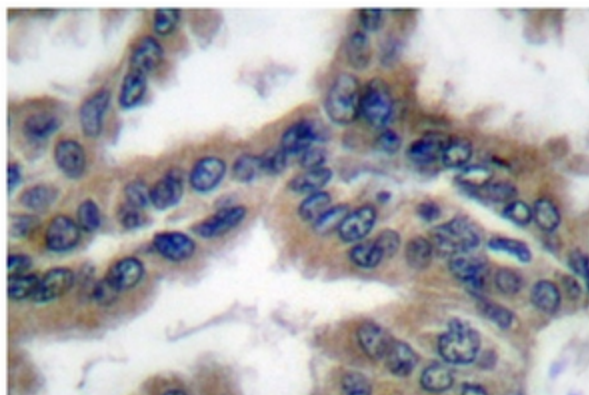
Heat shock protein 40 (HSP 40) family proteins bind to HSP 70 through their J-domain and regulate the function of HSP 70 by stimulating HSP 70 ATPase activity. HSP 40, also known as DnaJ, functions together with DnaK (HSP 70) and GrpE as a molecular chaperone, involving them in assembly and disassembly of protein complexes, protein folding, renaturation of denatured proteins, prevention of protein aggregation and protein export. HSP 40 stimulates the association between HSC 70 and HIP and translocates rapidly from the cytoplasm to the nuclei, and especially to the nucleoli, upon heat shock. There are five known HSP 40 family proteins.

Synonyms:

Heat shock 40 kDa protein 1, HSP-40, DnaJ protein homolog 1, HDJ-1, DNAJ1, HDJ1, HSPF1

Product images:


Western blot (WB) analysis of HSP40 antibody at 1/500 dilution Lane 1: Hela cell lysate treated with UV Lane 2: HEK293T cell lysate treated with UV Lane 3: NIH-3T3 cell lysate treated with UV Lane 4: PC12 cell lysate treated with UV



Immunohistochemistry analysis of DNAJB1 / HSP40 Antibody in paraffin-embedded lung carcinoma tissue.