

Anti-HSP40 Antibody

Rabbit polyclonal antibody to HSP40

Catalog # AP59583

Product Information

Application	WB, IF/IC, IHC
Primary Accession	P25685
Other Accession	Q9QYJ3
Reactivity	Human, Mouse, Rat, Monkey, Pig, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38044

Additional Information

Gene ID	3337
Other Names	DNAJ1; HDJ1; HSPF1; DnaJ homolog subfamily B member 1; DnaJ protein homolog 1; Heat shock 40 kDa protein 1; HSP40; Heat shock protein 40; Human DnaJ protein 1; hDj-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human HSP40. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C. Stable for 12 months from date of receipt

Protein Information

Name	DNAJB1
Synonyms	DNAJ1, HDJ1, HSPF1
Function	<p>Interacts with HSP70 and can stimulate its ATPase activity. 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).</p> <p>Cytoplasm. Nucleus. Nucleus, nucleolus. Note=Translocates rapidly from the</p>

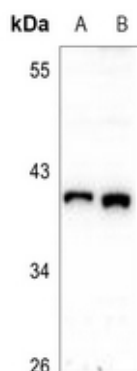
Cellular Location

cytoplasm to the nucleus, and especially to the nucleoli, upon heat shock

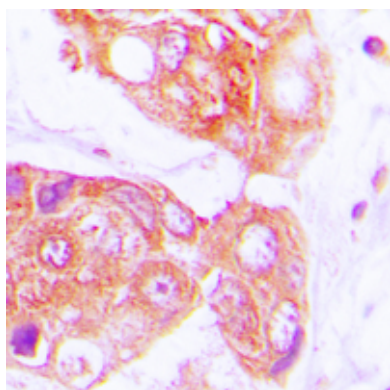
Background

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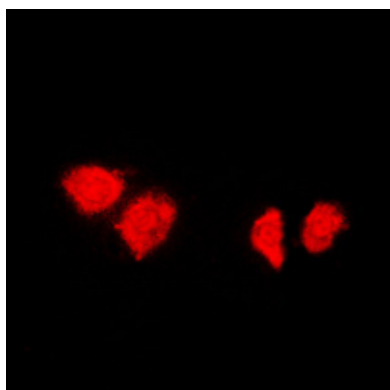
Images



Western blot analysis of HSP40 expression in HEK293T (A), PC3 (B) whole cell lysates.



Immunohistochemical analysis of HSP40 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of HSP40 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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