

HSP40-4 Polyclonal Antibody
Catalog # AP73345**Specification****HSP40-4 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	P31689
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal

HSP40-4 Polyclonal Antibody - Additional Information**Gene ID** 3301**Other Names**

DNAJA1; DNAJ2; HDJ2; HSJ2; HSPF4; Dnaj homolog subfamily A member 1; Dnaj protein homolog 2; HSDJ; Heat shock 40 kDa protein 4; Heat shock protein J2; HSJ-2; Human Dnaj protein 2; hDj-2

Dilution

WB~~Western Blot: 1/500 - 1/2000. IHC-p: 1:100-300 ELISA: 1/20000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

HSP40-4 Polyclonal Antibody - Protein Information**Name** DNAJA1**Synonyms** DNAJ2, HDJ2, HSJ2, HSPF4**Function**

Co-chaperone for HSPA8/Hsc70 (PubMed:10816573). Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A (in vitro) (PubMed:24318877). Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as a co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis (PubMed:14752510). Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV (PubMed:24512202).

Cellular Location

Membrane; Lipid- anchor. Cytoplasm. Microsome. Nucleus. Cytoplasm, perinuclear region. Mitochondrion Note=Primarily associated with microsomes. A minor proportion is associated with mitochondria (By similarity). Primarily cytoplasmic. A minor proportion is associated with nuclei.

Tissue Location

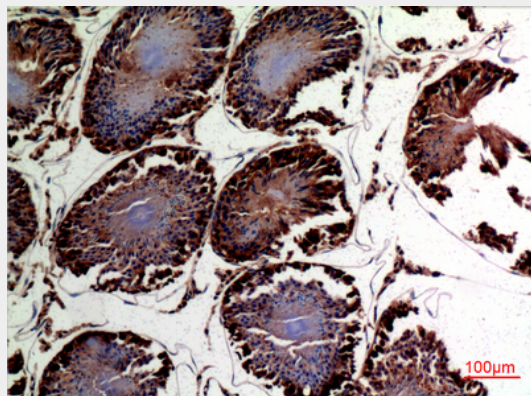
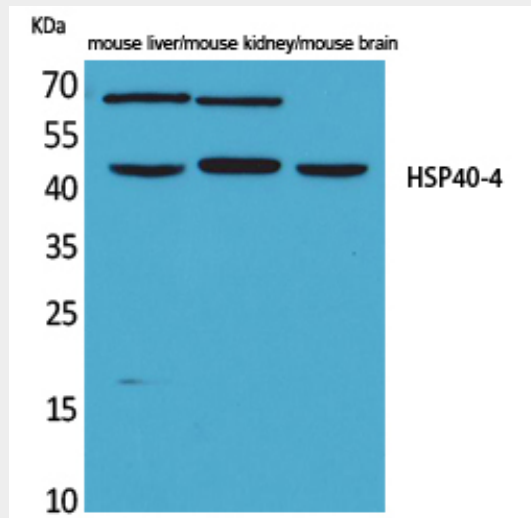
Ubiquitous. Isoform 2 is highly expressed in testis and lung, but detected at low levels in thymus, prostate, colon and liver.

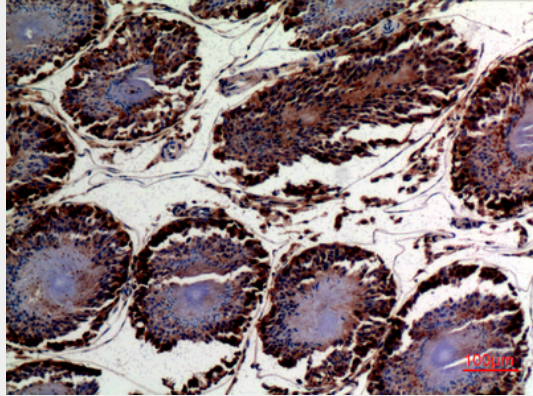
HSP40-4 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

HSP40-4 Polyclonal Antibody - Images





HSP40-4 Polyclonal Antibody - Background

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