

For Research Use Only

DjC8 Polyclonal antibody

Catalog Number: 32709-1-AP



Basic Information

Catalog Number: 32709-1-AP	GenBank Accession Number: NM_014280.2	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop;	GeneID (NCBI): 22826	Recommended Dilutions: WB: 1:1000-1:4000
Source: Rabbit	UNIPROT ID: O75937	
Isotype: IgG	Full Name: DnaJ (Hsp40) homolog, subfamily C, member 8	
Immunogen Catalog Number: AG38520	Calculated MW: 30kDa 253aa	
	Observed MW: 30 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : COLO 320 cells, Caco-2 cells
Species Specificity: human	

Background Information

DjC8 (C8, a member of DNAJ heat shock protein family), also known as DNAJC8, which is a highly conserved protein, belonging to heat shock protein 40(HSP40) family. The protein is expressed in many cell types, including central nervous system macrophages, cerebellar inhibitory neurons, choroid plexus epithelial cells of ventricles, oligodendrocyte precursor cells and so on. In normal tissues, the expression level of DjC8 is relatively low, but it is high in some tissues such as testis, skeletal muscle and spleen. In hepatocellular carcinoma, the high expression of DjC8 is related to poor prognosis. Knocking down DjC8 can inhibit the proliferation, migration and invasion of hepatocellular carcinoma cells, and reduce the IC50 value of sorafenib, indicating that it may be a potential therapeutic target and prognostic marker for hepatocellular carcinoma. In addition, DjC8 is regulated by TIG1 in cervical cancer and participates in glycolysis. DjC8 contains a conserved J domain, which can interact with HSP70 and activate its ATPase activity, thus participating in the folding, unfolding, transport and degradation of protein. The molecular weight of DjC8 is 30 kDa.

Storage

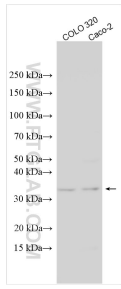
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32709-1-AP (DNAJC8 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.