

For Research Use Only

DjC8 Polyclonal antibody, PBS Only

Catalog Number:32709-1-PBS



Basic Information

Catalog Number:

32709-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG38520

GenBank Accession Number:

NM_014280.2

GeneID (NCBI):

22826

UNIPROT ID:

O75937

Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 8

Calculated MW:

30kDa, 253aa

Observed MW:

30 kDa

Purification Method:

Antigen affinity Purification

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

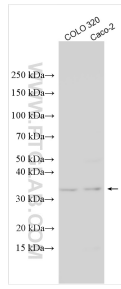
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Selected Validation Data



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. This data was developed using the same antibody clone with 32709-1-PBS in a different storage buffer formulation.