

DjC8 Rabbit mAb

Catalog # AP75360

Product Information

Application	WB, IHC-P
Primary Accession	O75937
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	29842

Additional Information

Gene ID	22826
Other Names	DNAJC8
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

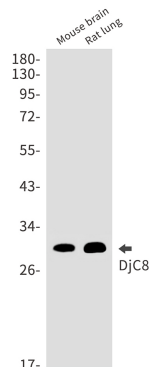
Name	DNAJC8
Synonyms	SPF31
Function	Suppresses polyglutamine (polyQ) aggregation of ATXN3 in neuronal cells (PubMed: 27133716).
Cellular Location	Nucleus.
Tissue Location	Ubiquitous..

Background

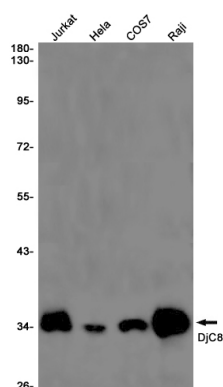
DjC8 (C8, a member of DNAJ heat shock protein family), also known as DNAJC8, which is a highly conserved protein, belonging to heat shock protein 40(HSP40) family. The protein is expressed in many cell types,

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.

Images



Western blot analysis of DjC8 in mouse brain, rat lung lysates using DNAJC8 antibody.



Western blot analysis of DjC8 in Jurkat, Hela, COS7, Raji lysates using DjC8 antibody.

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