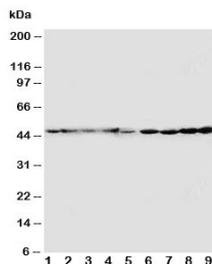


HDJ2 Antibody / DNAJA1 (R30675)

Catalog No.	Formulation	Size
R30675	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P31689
Applications	Western Blot : 0.5-1ug/ml
Limitations	This HDJ2 antibody is available for research use only.



Western blot testing of HDJ2 antibody and Lane 1: rat brain; 2: rat lung; 3: mouse brain; 4: mouse lung; 5: U87; 6: A549; 7: COLO320; 8: A431; 9: HT1080 cell lysate

Description

DNAJA1 (DnaJ homolog subfamily A member 1), also called DJA1, HSDJ, HSPF4, and HDJ2, is a protein that in humans is encoded by the DNAJA1 gene. The deduced 397-amino acid DNAJA1 protein is 32% identical to *E. coli* DnaJ, with the highest identity in the N-terminal region. Among the known DNAJ homologs in *S. cerevisiae*, DNAJA1 is most identical to YDJ1, which may be involved in the transport of certain proteins into the mitochondria and endoplasmic reticulum. Dja1 is expressed in mouse testis and prostate by immunohistochemical analysis and Western blot analysis. Transplantation experiments with fluorescence-tagged spermatogonia into Dja1 ^{-/-} mice revealed a primary defect of Sertoli cells in maintaining spermiogenesis at steps 8 and 9.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HDJ2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human HDJ2 (NQERRRHYNGEAYEDD) was used as the immunogen for this HDJ2 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the HDJ2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.