

For Research Use Only

DNAJC3 Polyclonal antibody

Catalog Number: 26721-1-AP **2 Publications**



Basic Information

Catalog Number: 26721-1-AP	GenBank Accession Number: BC047936	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 760 µg/ml by Nanodrop;	GeneID (NCBI): 5611	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: DnaJ (Hsp40) homolog, subfamily C, member 3	
Isotype: IgG	Observed MW: 58 kDa	
Immunogen Catalog Number: AG24966		

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : mouse testis tissue, IHC : human colon cancer tissue, mouse testis tissue IF : U2OS cells,
Cited Applications: WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

DNAJC3, also known as P58,HP58 and P58IPK, belongs to heat shock protein family, which is a kind of conservative molecules that expresses extensively in cells of human and animals and protects cells against all kinds of damage. As a cochaperone of BiP that an HSP70 molecular chaperone located in the lumen of the endoplasmic reticulum (ER), DNAJC3 plays a crucial role in ER protein folding and the UPR (unfolded protein response) (PMID:10597629; PMID:25466870). Studies reported that DNAJC3 related several diseases such as osteosarcoma, widespread neurodegeneration, diabetes mellitus, sensorimotor neuropathy, ataxia, sensorineural hearing loss and short body stature (PMID:30652414; PMID:28940199).

Notable Publications

Author	Pubmed ID	Journal	Application
Margita Márton	36097827	FEBS Open Bio	WB
Hui Luo	37795761	FASEB J	WB

Storage

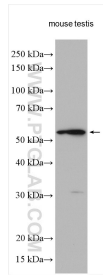
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

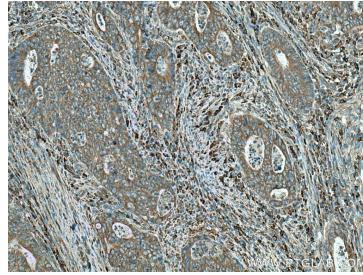
For technical support and original validation data for this product please contact:
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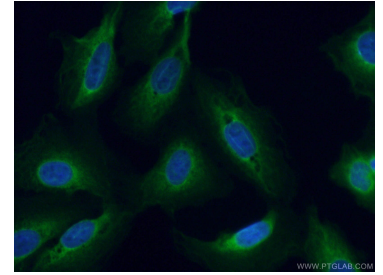
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 26721-1-AP (DNAJC3 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 26721-1-AP (DNAJC3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using 26721-1-AP (DNAJC3 antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).