

## DNAJC3 Polyclonal antibody

Catalog Number: 26721-1-AP

2 Publications

## Basic Information

## Catalog Number:

26721-1-AP

## Size:

760 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG24966

## GenBank Accession Number:

BC047936

## GeneID (NCBI):

5611

## UNIPROT ID:

Q13217

## Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 3

## Observed MW:

58 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

IF/ICC, IHC, WB, ELISA

## 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**

## Positive Controls:

WB : mouse testis tissue,

IHC : human colon cancer tissue, mouse testis tissue

IF/ICC : U2OS cells,

## 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

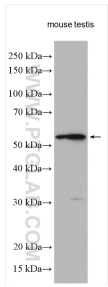
For technical support and original validation data for this product please contact:

T: 4006900926

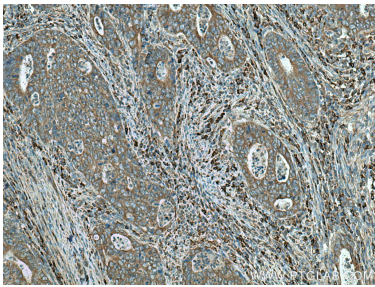
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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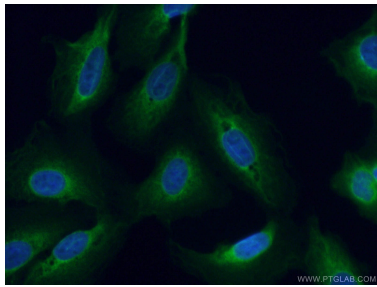
## Selected Validation Data



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).