

For Research Use Only

# DNAJC9 Polyclonal antibody

Catalog Number: 25444-1-AP

Featured Product

2 Publications



## Basic Information

Catalog Number:

25444-1-AP

Size:

700 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG22123

GenBank Accession Number:

BC136507

GeneID (NCBI):

23234

UNIPROT ID:

Q8WXX5

Full Name:

DnaJ (Hsp40) homolog, subfamily C, member 9

Calculated MW:

260 aa, 30 kDa

Observed MW:

30-35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

**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 : HEK-293 cells, SH-SY5Y cells, Raji cells, HeLa cells

IHC : human breast cancer tissue, human colon cancer tissue, mouse colon tissue, rat colon tissue

IF/ICC : U2OS cells,

## Background Information

DNAJC9, DnaJ homolog subfamily C member 9, acts as a dual histone chaperone and heat shock co-chaperone (PMID: 33857403). As a histone chaperone, DNAJC9 forms a co-chaperone complex with MCM2 and histone H3-H4 heterodimers (PMID: 33857403). DNAJC9 also plays a role as co-chaperone of the HSP70 family of molecular chaperone proteins. (PMID: 17182002, PMID: 33857403). DNAJC9 exhibits activity to assemble histones onto DNA (PMID: 33857403). DNAJC9 is an essential protein in many cancer cell types and the levels of the protein correlate with the rates at which cancer cells proliferate.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hexiao Shen	30718521	Sci Rep	WB
Samantha F Sedor	39149339	bioRxiv	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:

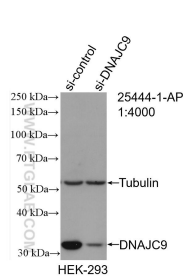
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

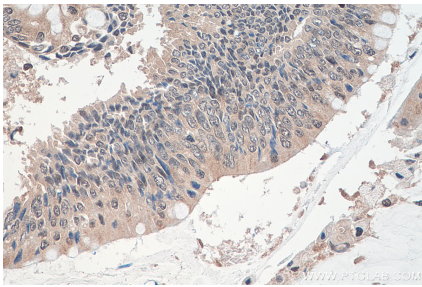
W: [ptgcn.com](http://ptgcn.com)

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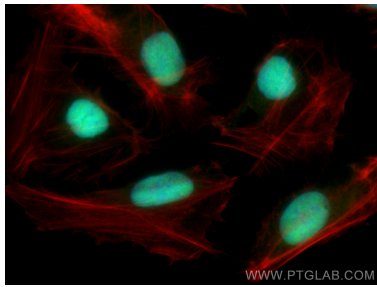
Selected Validation Data



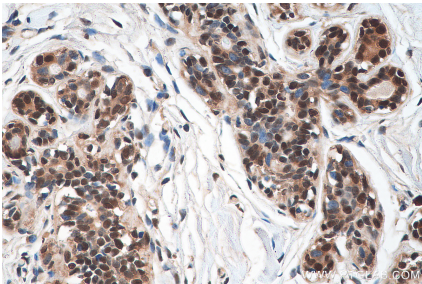
WB result of DNAJC9 antibody (25444-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJC9 transfected HEK-293 cells.



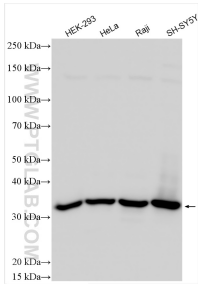
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25444-1-AP (DNAJC9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



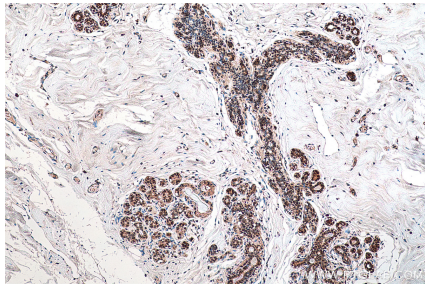
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DNAJC9 antibody (25444-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25444-1-AP (DNAJC9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 25444-1-AP (DNAJC9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 25444-1-AP (DNAJC9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).