

For Research Use Only

DNAJC9 Polyclonal antibody

Catalog Number: 25444-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number: 25444-1-AP	GenBank Accession Number: BC136507	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 700 ug/ml by Nanodrop and 373 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 23234	Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:50-1:500 IF/ICC: 1:50-1:500
Source: Rabbit	UNIPROT ID: Q8WXX5	
Isotype: IgG	Full Name: DnaJ (Hsp40) homolog, subfamily C, member 9	
Immunogen Catalog Number: AG22123	Calculated MW: 260 aa, 30 kDa	
	Observed MW: 30-35 kDa	

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	40091041	Nat Commun	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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

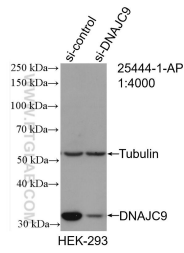
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

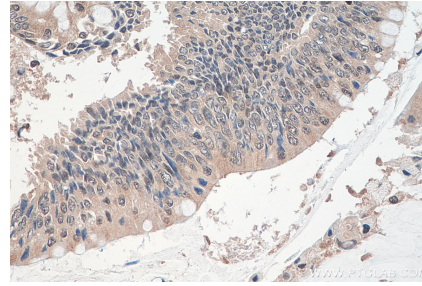
E: proteintech@ptglab.com
W: ptglab.com

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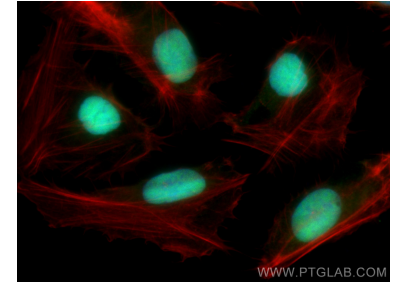
Selected Validation Data



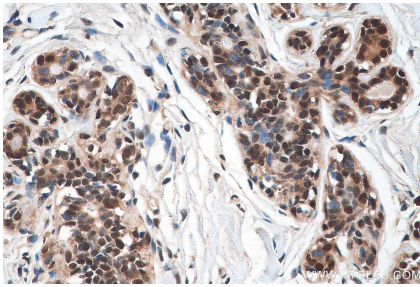
WB result of DNAJC9 antibody (25444-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNAJC9 transfected HEK-293 cells.



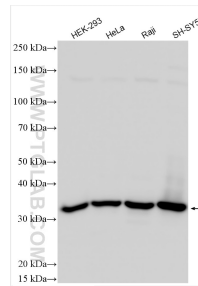
Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 25444-1-AP (DNAJC9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



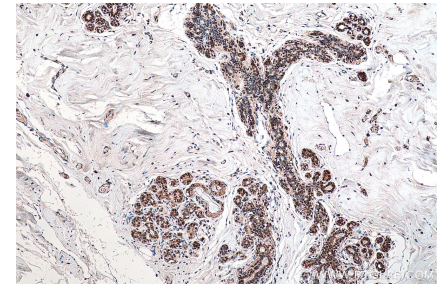
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using DNAJC9 antibody (25444-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red). Viewed under 10x lens.



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).