

For Research Use Only

# DNAJC5 Polyclonal antibody

Catalog Number: 32204-1-AP



## Basic Information

**Catalog Number:**

32204-1-AP

**Size:**

150ul , Concentration: 350 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG35443

**GenBank Accession Number:**

NM\_025219.2

**GeneID (NCBI):**

80331

**UNIPROT ID:**

Q9H3Z4

**Full Name:**

DnaJ (Hsp40) homolog, subfamily C, member 5

**Calculated MW:**

22kDa 198aa

**Observed MW:**

30 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB 1:5000-1:50000

IF/ICC 1:200-1:800

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : HeLa cells, mouse brain tissue, rat brain tissue

IF/ICC : HeLa cells,

## Background Information

DNAJC5 (DnaJ homolog subfamily C member 5), also known as cysteine string protein  $\alpha$  (CSP $\alpha$ ), is a member of the HSP40 (DNAJ) family of proteins, as well as a co-chaperone of HSC70, and has been shown to control the extracellular release of many neurodegenerative disease proteins. DNAJC5 contains three structural domains - a common N-terminal J structural domain conserved in DNAJ proteins, the cysteine string (CS) central structural domain, which is highly palmitoylated and anchors the protein to late endosomes, and an overall disordered C-terminal structural domain. Mutations in DNAJC5 have been strongly implicated in the development of human diseases such as neuronal waxy lipofuscinosis, cystic fibrosis, Huntington's disease and Parkinson's disease.

## 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

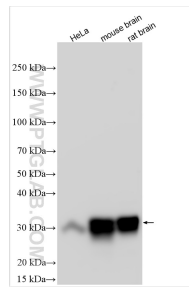
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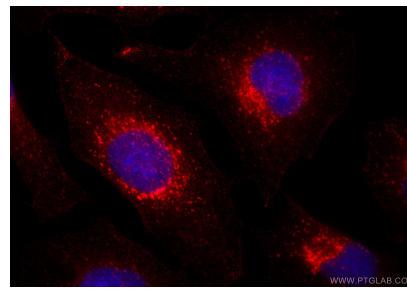
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32204-1-AP (DNAJC5 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using DNAJC5 antibody (32204-1-AP) at dilution of 1:400 and CoraLite® 594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).