

For Research Use Only

CoraLite® Plus 488-conjugated DNAJB6 Monoclonal antibody



Catalog Number: CL488-66587

Basic Information

Catalog Number:

CL488-66587

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG2258

GenBank Accession Number:

BC000177

GeneID (NCBI):

10049

UNIPROT ID:

O75190

Full Name:

DnaJ (Hsp40) homolog, subfamily B, member 6

Calculated MW:

241 aa, 27 kDa

Observed MW:

27 kDa, 38 kDa

Purification Method:

Protein G purification

CloneNo.:

1A1D2

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human, Mouse, Rat, Pig

Background Information

DNAJB6, belongs to the heat shock protein 40 (HSP40) family, a noncanonical member of the DNAJ-chaperone family, is mainly expressed in neurons. It plays an important role in recovery from misfolded protein aggregates (PMID: 27276715). As seen by the western blot stained for DNAJB6, there are 2 splice forms of the protein resulting in a longer isoform (38 kDa) and a shorter one (27 kDa). DNAJB6 (27 kDa) isoform but not DNAJB6 (38 kDa) isoform is effective with suppressing cytoplasmic protein aggregation (PMID: 20159555). The antibody 66587-1-Ig recognizes both isoforms.

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human DNAJB6 (CL488-66587, Clone:1A1D2) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).