

For Research Use Only

# CoraLite® Plus 488-conjugated DNAJB6 Monoclonal antibody



Catalog Number:CL488-66587

## Basic Information

<b>Catalog Number:</b> CL488-66587	<b>GenBank Accession Number:</b> BC000177	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10049	<b>CloneNo.:</b> 1A1D2
<b>Source:</b> Mouse	<b>Full Name:</b> DnaJ (Hsp40) homolog, subfamily B, member 6	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 241 aa, 27 kDa	
<b>Immunogen Catalog Number:</b> AG2258	<b>Observed MW:</b> 27 kDa, 38 kDa	

## 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

\*\*\* 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

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

---

## Selected Validation Data



1X10<sup>6</sup> 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).