

## Anti-HSP40/DNAJB1 Antibody (Monoclonal, 34D71)

Catalog Number: M03100-1

### About DNAJB1

DnaJ homolog subfamily B member 1 is a protein that in humans is encoded by the DNAJB1 gene. This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants.

### Overview

Product Name	Anti-HSP40/DNAJB1 Antibody (Monoclonal, 34D71)
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-HSP40/DNAJB1 Antibody (Monoclonal, 34D71) catalog # M03100-1. Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	Flow Cytometry, IF, IHC, ICC, WB
Clonality	Monoclonal 34D71
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P25685

### Technical Details

Immunogen	Recombinant protein within human Hsp40 aa 3-338.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000

Immunohistochemistry, 1:50-200  
Immunocytochemistry/Immunofluorescence, 1:50-200  
Flow Cytometry (Fixed), 1:50-200

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