

## DNAJC8 Conjugated Antibody

Catalog No: #C47068



Package Size: #C47068-AF350 100ul #C47068-AF405 100ul #C47068-AF488 100ul  
 #C47068-AF555 100ul #C47068-AF594 100ul #C47068-AF647 100ul  
 #C47068-AF680 100ul #C47068-AF750 100ul #C47068-Biotin 100ul

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## Description

Product Name	DNAJC8 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total DNAJC8 protein.
Immunogen Description	Synthetic peptide of human DNAJC8
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	SPF31; HSPC331
Accession No.	Swiss-Prot#:O75937 NCBI Gene ID:22826NCBI Protein#:NP_055095
Uniprot	O75937
GeneID	22826;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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The DnaJ family is one of the largest of all chaperone families and has evolved with diverse cellular localization and functions. Presence of a J domain defines a protein as a member of the DnaJ family. DnaJ heat shock induced proteins are derived from *Escherichia coli* and are under the control of the htpR regulatory protein. DnaJ proteins play a critical role in the HSP 70 chaperone machine by interacting with HSP 70 to stimulate ATP hydrolysis. DnaJ proteins contain cysteine rich regions that are composed of zinc fingers, which form a peptide binding domain responsible for the chaperone function. DnaJ proteins are important mediators of proteolysis and are involved in the regulation of protein degradation, exocytosis and endocytosis. DnaJC8 (DnaJ (Hsp 40) homolog, subfamily C, member 8), also known as SPF31 or HSPC331, is a 253 amino acid protein that is suggested to have a potential role as a cochaperone in RNA processing-related processes.

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Note: This product is for in vitro research use only