

HSPA4/HSPA8 monoclonal antibody, clone N27F3-4

Catalog # MAB6130

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant HSPA4/HSPA8.
Immunogen	Recombinant protein corresponding to human HSPA4/HSPA8.
Host	Mouse
Reactivity	Bovine, Chicken, Dog, Fish, Frog, Fruit fly, Guinea pig, Hamster, Human, Monkey, Mouse, Nematoda, Pig, Plants, Rabbit, Rat, Sheep
Specificity	The epitope is in the region of amino acids 503-640 of human Hsp70.
Form	Liquid
Isotype	IgG1
Recommend Usage	Western Blot (1 ug/mL) Immunohistochemistry (1-10 ug/mL) Immunoprecipitation (1-10 ug/mL) Flow cytometry (10 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

- Flow Cytometry

Gene Info — HSPA4

Entrez GeneID	3308
Gene Name	HSPA4
Gene Alias	APG-2, HS24/P52, MGC131852, RY, hsp70, hsp70RY
Gene Description	heat shock 70kDa protein 4
Omim ID	601113
Gene Ontology	Hyperlink
Gene Summary	isoform a heat shock protein
Other Designations	heat shock 70kD protein 4 heat shock 70kDa protein 4, isoform a heat shock protein, 110 kDa

Gene Info — HSPA8

Entrez GeneID	3312
Gene Name	HSPA8
Gene Alias	HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP1, MGC131511, MGC29929, NIP71
Gene Description	heat shock 70kDa protein 8
Omim ID	600816
Gene Ontology	Hyperlink
Gene Summary	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Two alternatively spliced variants have been characterized to date. [provided by RefSeq]
Other Designations	LPS-associated protein 1 N-myristoyltransferase inhibitor protein 71 constitutive heat shock protein 70 heat shock 70kD protein 8 heat shock 70kd protein 10 heat shock cognate protein 54 heat shock cognate protein, 71-kDa lipopolysaccharide-associated protein

Publication Reference

- [The HSP70 Modulator MAL3-101 Inhibits Merkel Cell Carcinoma.](#)

Adam C, Baeurle A, Brodsky JL, Wipf P, Schrama D, Becker JC, Houben R.

PLoS One 2014 Apr; 9(4):e92041.

Application: IHC-P, Human, Merkel cell carcinoma

Pathway

- [Antigen processing and presentation](#)
- [Antigen processing and presentation](#)
- [Endocytosis](#)
- [MAPK signaling pathway](#)

Disease

- [Alzheimer disease](#)
- [Alzheimer disease](#)
- [Aneurysm](#)
- [Aortic Aneurysm](#)
- [Arteriosclerosis](#)
- [Asthma](#)
- [Bipolar Disorder](#)
- [Brain Ischemia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)

- [Cognition](#)
- [Cognition](#)
- [Connective Tissue Diseases](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Musculoskeletal Diseases](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Renal Insufficiency](#)
- [Rupture](#)
- [Skin Diseases](#)
- [Werner syndrome](#)