

Datasheet

HSPA1A monoclonal antibody, clone 5A5 (RPE)

Catalog Number: MAB11406

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against recombinant HSPA1A.

Clone Name: 5A5

Immunogen: Recombinant protein corresponding to human HSPA1A.

Host: Mouse

Reactivity: Amphibia, Chicken, Fish, Fruit fly, Human, Mouse, Rat, Yeast

Applications: ICC, IF, IHC, IP, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Specificity: Detects several members of the heat shock protein 70kDa gene family including Hsp70, Hsc70, Grp78 and following heat shock, Hsp72.

Form: Liquid

Conjugation: RPE

Purification: Protein G purification

Isotype: IgG1

Recommend Usage: Western Blot (1:1000)
Immunofluorescence (1:500)
Immunoprecipitation (1 ug)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)

Storage Instruction: Store at 4°C.

Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 3303

Gene Symbol: HSPA1A

Gene Alias: FLJ54303, FLJ54370, FLJ54392, FLJ54408, FLJ75127, HSP70-1, HSP70-1A, HSP70I, HSP72, HSPA1, HSPA1B

Gene Summary: This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjunction with other heat shock proteins, this protein stabilizes existing proteins against aggregation and mediates the folding of newly translated proteins in the cytosol and in organelles. It is also involved in the ubiquitin-proteasome pathway through interaction with the AU-rich element RNA-binding protein 1. The gene is located in the major histocompatibility complex class III region, in a cluster with two closely related genes which encode similar proteins. [provided by RefSeq]