Mouse HSPA1B Monoclonal Antibody | anti-HSPA1B antibody

HSPA1B (Heat Shock 70kD Protein 1B, FLJ54328, HSP70-1B, HSP70-2, HSPA1A) (APC)

CATALOG #	HOST	APPLICATIONS
AAA26112	**Mouse**	**Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

HSPA1B; Monoclonal Antibody; HSPA1B (Heat Shock 70kD Protein 1B; FLJ54328; HSP70-1B; HSP70-2; HSPA1A) (APC); Heat Shock 70kD Protein 1B; HSPA1A; anti-HSPA1B antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	2D11
Specificity	Recognizes HSPA1B.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Applicable Applications for anti-HSPA1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	HSPA1B (NP_005336, 531aa-611aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VQRERVSAKNALESYAFNMKSAVEDEGLKGKISEADKKKVLDKCQEVISWLDANTLAEKDEFEHKRKELEQVCNPIISGLY
Conjugate	APC
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: APC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
HSPA1B monoclonal antibody (M05), clone 2D11. Western Blot analysis of HSPA1B expression in PC-12.

WB (Western Blot)
HSPA1B monoclonal antibody (M05), clone 2D11. Western Blot analysis of HSPA1B expression in NIH/3T3.

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to HSPA1B on formalin-fixed paraffin-embedded human esophagus. [antibody concentration 3 ug/ml]

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Application Data
Detection limit for recombinant GST tagged HSPA1B is approximately 0.03ng/ml as a capture antibody.

WB (Western Blot)
HSPA1B monoclonal antibody (M05), clone 2D11 Western Blot analysis of HSPA1B expression in Hela S3 NE.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA1B antibody	This intronless gene encodes a 70kDa heat shock protein which is a member of the heat shock protein 70 family. In conjuction 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]
Product Categories/Family for anti-HSPA1B antibody	Antibodies; Heat Shock Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	194248072
NCBI GeneID	3303
NCBI Accession #	NP_005336
NCBI GenBank Nucleotide #	NM_005345.5
UniProt Accession #	P0DMV8; P08107; P19790; Q5JQI4; Q5SP17; Q9UQL9; Q9UQM0; B4E3B6
Molecular Weight	63,937 Da
NCBI Official Full Name	heat shock 70 kDa protein 1A
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 1A
NCBI Official Symbol	HSPA1A
NCBI Official Synonym Symbols	HSP72; HSPA1; HSP70I; HSP70-1; HSP70.1; HSP70-1A; HEL-S-103
NCBI Protein Information	heat shock 70 kDa protein 1A
UniProt Protein Name	Heat shock 70 kDa protein 1A
UniProt Gene Name	**HSPA1A**
UniProt Synonym Gene Names	HSP721 PublicationManual assertion based on opinion iniRef.41; HSP70-12 PublicationsManual assertion based on opinion iniRef.4; HSP70.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/hspa1b-antibody-clone-2d11-immunohistochemistry-western-blot-elisa/26112