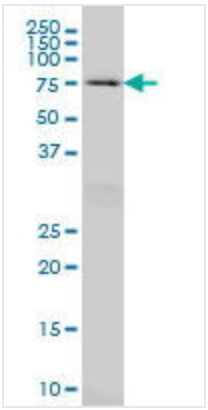
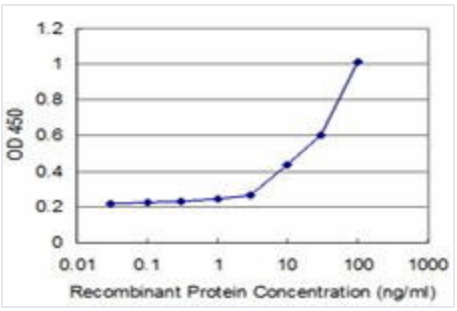
HSPA2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

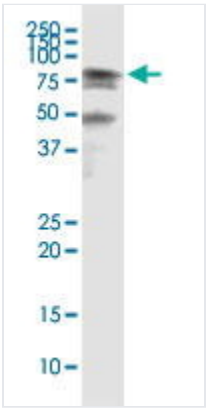
Product Name	HSPA2, Monoclonal Antibody
Full Product Name	HSPA2 (Heat Shock 70kD Protein 2, HSP70-2, HSP70-3) (AP)
Product Gene Name	anti-HSPA2 antibody
Product Synonym Names	Heat Shock 70kD Protein 2; HSP70-2; HSP70-3
Clonality	Monoclonal
Isotype	IgG3,k
Clone Number	2D11
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes HSPA2.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Immunogen	HSPA2 (AAH01752, 1aa-639aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	AP
Product Categories/Family for anti-HSPA2 antibody	Antibodies; Heat Shock Proteins
Applications Tested/Suitable for anti-HSPA2 antibody	Western Blot (WB)
Application Notes for anti-HSPA2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HSPA2 antibody	MBS6163742 is an antibody targeting HSPA2. Also known as HSPA2 (Heat Shock 70kD Protein 2, HSP70-2, HSP70-3) (AP). Host: Mouse. Mouse monoclonal antibody raised against a full length recombinant HSPA2.
Product References and Citations for anti-HSPA2 antibody	1. Polychlorinated biphenyls have inhibitory effect on testicular steroidogenesis by downregulation of P45017{alpha} and P450scc. Han DY, Kang SR, Park OS, Cho JH, Won CK, Park HS, Park KI, Kim EH, Kim GS.Toxicol Ind Health. 2010 Jun;26(5):287-96. Epub 2010 Mar 31.
Other Notes	Small volumes of anti-HSPA2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-HSPA2 antibody
HSPA2 monoclonal antibody (M03), clone 2D11 Western Blot analysis of HSPA2 expression in HepG2.



Testing Data of anti-HSPA2 antibody
Detection limit for recombinant GST tagged HSPA2 is approximately 3ng/ml as a capture antibody.



Immunoprecipitation (IP) of anti-HSPA2 antibody
Immunoprecipitation of HSPA2 transfected lysate using anti-HSPA2 monoclonal antibody and Protein A Magnetic Bead , and immunoblotted with HSPA2 MaxPab rabbit polyclonal antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HSPA2. It may not necessarily be applicable to this product.

NCBI GI #	12804655
NCBI GeneID	3306
NCBI Accession #	AAH01752
UniProt Related Accession #	P54652
NCBI Official Full Name	Heat shock 70kDa protein 2
NCBI Official Synonym Full Names	heat shock protein family A (Hsp70) member 2
NCBI Official Symbol	HSPA2
NCBI Official Synonym Symbols	HSP70-2; HSP70-3
Protein Family	Heat shock-related 70 kDa protein
NCBI Protein Information	heat shock-related 70 kDa protein 2
Research Articles on HSPA2	**1.** An increased level of the HSP70 gene expression in peripheral blood leukocytes in mothers with a life-threatening disease of their child indicates the damaging effect of long-lasting psychoemotional stress at the cellular level and activation of the protective reaction mediated by HSP70.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-antibody/hspa2/6163742