

Heat shock 70 kDa protein 1B (HSPA1B) Antibody

Mouse Monoclonal Antibody [Clone HSPA1B/7625]

Catalog No	Format	Size
3304-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
3304-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
3304-MSM5-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

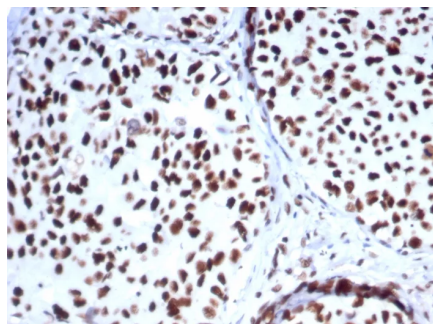
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

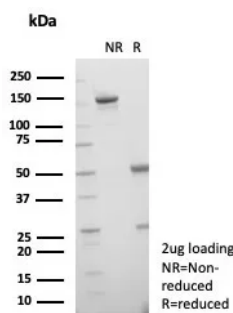
Clone	HSPA1B/7625
Gene Name	HSPA1B
Immunogen	Recombinant fragment (around aa400-600) of human HSPA1B protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	70kDa
Cellular Localization	Cytoplasm. Nucleus.
Species Reactivity	Human
Positive Control	Human testis or breast cancer.

**Optimal dilution for a specific application should be determined.*

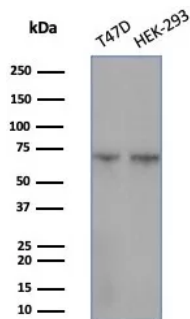
Product Images for Heat shock 70 kDa protein 1B (HSPA1B) Antibody



Formalin-fixed, paraffin-embedded human breast carcinoma stained with HSPA1B Mouse Monoclonal Antibody (HSPA1B/7625). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified HSPA1B Mouse Monoclonal Antibody (HSPA1B/7625). Confirmation of Purity and Integrity of Antibody.



Western blot analysis of T47D & HEK-293 cell lysates using HSPA1B Mouse Monoclonal Antibody (HSPA1B/7625).

Specificity & Comments

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]

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody is stable for 24 months., Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease, MAPK Signaling

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.