

Mouse anti-Human, Rat GRP78 BiP Monoclonal Antibody | anti-HSPA5 antibody

GRP78 BiP (6H7) Mouse mAb

CATALOG # AAA23991	HOST Mouse	REACTIVITY Human, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

GRP78 BiP; Monoclonal Antibody; GRP78 BiP (6H7) Mouse mAb; HSPA5; GRP78;MIF2; BiP; Heat shock 70kDa protein 5; anti-HSPA5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6H7-4B1-9H4
Specificity	The GRP78/Bip mouse monoclonal antibody can recognize endogenous GRP78/Bip proteins.
Purity/Purification	Affinity purified
Form/Format	PBS (pH7.4) containing with 0.02% sodium azide and 50% glycerol.
Applicable Applications for anti-HSPA5 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:1,000-2,000 IHC: 1:100-200 (Optimal dilutions should be determined by the end user)
Immunogen	Synthetic peptide conjugated to KLH.
Conjugation	Unconjugated
Modification	Unmodification
Subcellular Location	Cytoplasm, Endoplasmic reticulum
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of HeLa cell lysates using Bip/GRP78 (6H7) Mouse mAb.



ICC (Immunocytochemistry)

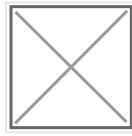
Immunocytochemistry staining of HeLa cells using Bip/GRP78 (6H7) Mouse mAb(dilution 1:100).

**WB (Western Blot)**

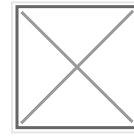
Western blot detection of Bip/GRP78 in Jurkat, MCF7, SKBR-3, HeLa cell lysates using Bip/GRP78 (6H7) Mouse mAb (1:2000 diluted). Predicted band size: 78 kDa. Observed band size: 78 kDa.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human Breast Carcinoma using GRP78/Bip Mouse mAb diluted at 1:200.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded Human Colon Carcinoma using GRP78/Bip Mouse mAb diluted at 1:200.

**WB (Western Blot)**

Western blot analysis of 1) HeLa, 2) Rat Liver Tissue with GRP78/Bip Mouse mAb diluted at 1:2,000.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA5 antibody

Plays a role in facilitating the assembly of multimeric protein complexes inside the endoplasmic reticulum. Involved in the correct folding of proteins and degradation of misfolded proteins via its interaction with DNAJC10, probably to facilitate the release of DNAJC10 from its substrate.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16507237
NCBI GeneID	3309
NCBI Accession #	NP_005338.1
NCBI GenBank Nucleotide #	NM_005347.4
UniProt Accession #	P11021; Q2EF78; Q9NPF1; Q9UK02; B0QZ61
Molecular Weight	72,333 Da
NCBI Official Full Name	78 kDa glucose-regulated protein
NCBI Official Synonym Full Names	heat shock 70kDa protein 5 (glucose-regulated protein, 78kDa)
NCBI Official Symbol	HSPA5
NCBI Official Synonym Symbols	BIP; MIF2; GRP78
NCBI Protein Information	78 kDa glucose-regulated protein; immunoglobulin heavy chain-binding protein; endoplasmic reticulum luminal Ca(2+)-binding protein grp78
UniProt Protein Name	78 kDa glucose-regulated protein
UniProt Gene Name	HSPA5
UniProt Synonym Gene Names	GRP78; GRP-78; BiP
UniProt Entry Name	GRP78_HUMAN

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/grp78-bip-antibody-clone-6h7-4b1-9h4-western-blot-immunohistochemistry-elisa/23991>