

Rabbit HSPA5 Polyclonal Antibody | anti-HSPA5 antibody

HSPA5 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285433	Rabbit	Human, Zebrafish (Predicted Reactivity: Bovine, Chicken, Mouse, Rat)	Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

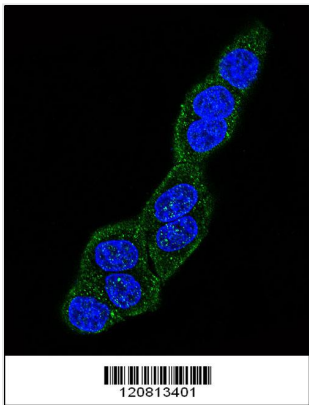
PRODUCT SYNONYMS

HSPA5; Polyclonal Antibody; HSPA5 Antibody (Center); 78 kDa glucose-regulated protein; GRP-78; Endoplasmic reticulum lumenal Ca(2+)-binding protein grp78; Heat shock 70 kDa protein 5; Immunoglobulin heavy chain-binding protein; BiP; GRP78; anti-HSPA5 antibody

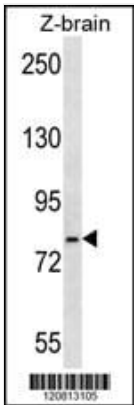
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Zebrafish (Predicted Reactivity: Bovine, Chicken, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HSPA5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 261-289 amino acids from the Central region of human HSPA5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 1 (varies by lot)
Sequence Positions	261-289
Sequence Length	654
Applicable Applications for anti-HSPA5 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

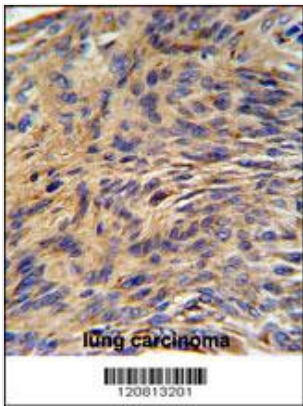
IMAGES



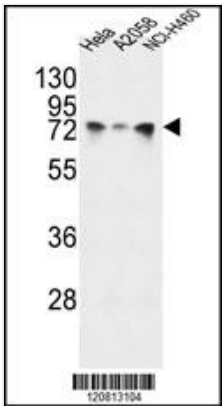
IF (Immunofluorescence)
Confocal immunofluorescent analysis of HSPA5 Antibody (Center) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
HSPA5 Antibody (Center) western blot analysis in zebra fish brain tissue lysates (35ug/lane). This demonstrates the HSPA5 antibody detected the HSPA5 protein (arrow).



IHC (Immunohistochemistry)
HSPA5 Antibody (Center) IHC analysis in formalin fixed and paraffin embedded human lung carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the HSPA5 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
HSPA5 Antibody (Center) western blot analysis in Hela, A2058, NCI-H460 cell line lysates (35ug/lane). This demonstrates the HSPA5 antibody detected the HSPA5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA5 antibody	When Chinese hamster K12 cells are starved of glucose, the synthesis of several proteins, called glucose-regulated proteins (GRPs), is markedly increased. Hendershot et al. (1994) [PubMed 8020977] pointed out that one of these, GRP78 (HSPA5), also referred to as 'immunoglobulin heavy chain-binding protein' (BiP), is a member of the heat-shock protein-70 (HSP70) family and is involved in the folding and assembly of proteins in the endoplasmic reticulum (ER). Because so many ER proteins interact transiently with GRP78, it may play a key role in monitoring protein transport through the cell.
References	Zhao, C., et al. J. Med. Virol. 82(1):14-22(2010) Zhuang, L., et al. Mod. Pathol. 23(1):45-53(2010) Arnaudeau, S., et al. Proteomics 9(23):5316-5327(2009)

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	72333
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; HEL-S-89n
NCBI Protein Information	78 kDa glucose-regulated protein
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/polyclonal/hspa5-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/285433>