

Rabbit GRP78 Polyclonal Antibody | anti-HSPA5 antibody

GRP78 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286489	Rabbit	Human, mouse, rat	Immunohistochemistry, Immunofluorescence, ELISA, Western Blot

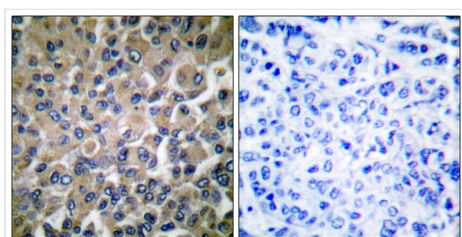
PRODUCT SYNONYMS

GRP78; Polyclonal Antibody; GRP78 Antibody; 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; HSPA5; anti-HSPA5 antibody

PRODUCT SPECIFICATIONS

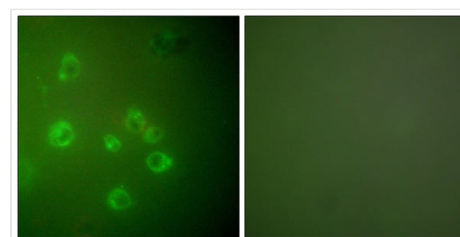
Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Positions	623-654
Sequence Length	654
Applicable Applications for anti-HSPA5 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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



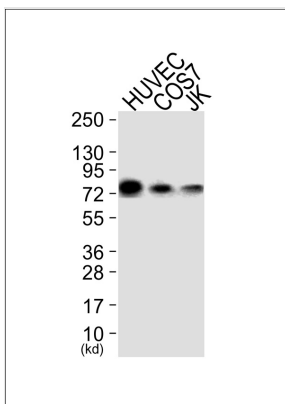
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GRP78 antibody.



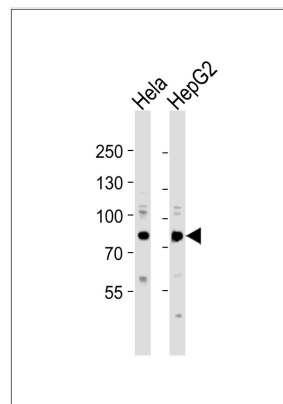
IF (Immunofluorescence)

Immunofluorescence analysis of COS7 cells, using GRP78 antibody.



WB (Western Blot)

Western blot analysis of extracts from HUVEC cells (Lane 1), COS7 cells (Lane 2) and JK cells (Lane 3), using GRP78 Antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)

Western blot analysis of lysates from HeLa, HepG2 cell line (from left to right), using GRP78 Antibody (C0217). C0217 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-HSPA5 antibody	Probably 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.
References	Ting J., et al. DNA 7:275-286(1988). Chao C.C.K., et al. Submitted (DEC-1995) to the EMBL/GenBank/DDBJ databases. Hansen J.J., et al. Submitted (JAN-2000) to the EMBL/GenBank/DDBJ databases. Bermudez-Fajardo A., et al. Submitted (DEC-1999) to the EMBL/GenBank/DDBJ databases. Humphray S.J., et al. Nature 429:369-374(2004).

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.

