

Rabbit GRP78 Polyclonal Antibody | anti-GRP78 antibody

GRP78 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29964	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

GRP78; Polyclonal Antibody; GRP78 Antibody; 78 kDa glucose regulated protein antibody; 78 kDa glucose-regulated protein antibody; AL022860 antibody; AU019543 antibody; BIP antibody; D2Wsu141e antibody; D2Wsu17e antibody; Endoplasmic reticulum luminal Ca (2+)-binding protein grp78 antibody; Endoplasmic reticulum luminal Ca2+ binding protein grp78 antibody; Epididymis secretory sperm binding protein Li 89n antibody; FLJ26106 antibody; Glucose Regulated Protein 78kDa antibody; GRP 78 antibody; GRP-78 antibody; GRP78 antibody; GRP78_HUMAN antibody; Heat shock 70 kDa protein 5 antibody; Heat Shock 70kDa Protein 5 antibody; Heat shock protein family A (Hsp70) member 5 antibody; HEL S 89n antibody; Hsce70 antibody; HSPA 5 antibody; HSPA5 antibody; Immunoglobulin Heavy Chain Binding Protein antibody; Immunoglobulin heavy chain-binding protein antibody; mBIP antibody; MIF2 antibody; Sez7 antibody; anti-GRP78 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Peptide affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-GRP78 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:2000 IHC: 1:200 ICC: 1:200 FC/FACS: 1:100-1:200
Immunogen	Peptide
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



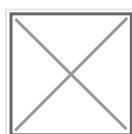
IF (Immunofluorescence)

IF staining GRP78 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS and counterstained with DAPI in order to highlight the nucleus (blue).



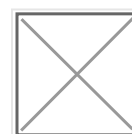
ICC (Immunocytochemistry)

ICC staining GRP78 in HepG2 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining GRP78 in SK-BR-3 cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining GRP78 in HeLa cells (green). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-GRP78 antibody. Counter stained with hematoxylin.

**IHC (Immunohistochemistry)**

Immunohistochemical analysis of paraffin-embedded rat small intestine tissue using anti-GRP78 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-GRP78 antibody	Binding immunoglobulin protein (BiP) also known as 78 kDa glucose-regulated protein (GRP-78) or heat shock 70 kDa protein 5 (HSPA5) is a protein that in humans is encoded by the HSPA5 gene. BiP is a HSP70 molecular chaperone located in the lumen of the endoplasmic reticulum (ER) that binds newly synthesized proteins as they are translocated into the ER, and maintains them in a state competent for subsequent folding and oligomerization. BiP is also an essential component of the translocation machinery, as well as playing a role in retrograde transport across the ER membrane of aberrant proteins destined for degradation by the proteasome. Like many stress and heat shock proteins, BiP/GRP78 has potent immunological activity when released from the internal environment of the cell into the extracellular space. Specifically, it feeds anti-inflammatory and pro-resolutive signals into immune networks, thus helping to resolve inflammation.
Product Categories/Family for anti-GRP78 antibody	Total protein Ab

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/polyclonal/grp78-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29964>