GRP78 Antibody

Catalog No: #33395

Package Size: #33395-1 50ul #33395-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GRP78 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total GRP78 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GRP78.
Target Name	GRP78
Other Names	BIP; GLUCOSE-REGULATED PROTEIN 78-KD; HEAT-SHOCK 70-KD PROTEIN 5; IMMUNOGLOBULIN HEAVY CHAIN-BINDING PROTEIN; heat shock 70kDa protein 5 (glucose-regulated protein
Accession No.	Swiss-Prot: P11021NCBI Gene ID: 3309
Uniprot	P11021
GeneID	3309;
SDS-PAGE MW	75kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

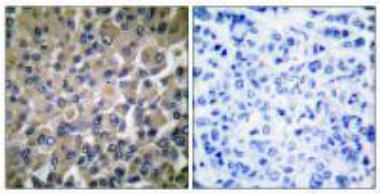
Application Details

Western blotting: 1:500~1:3000

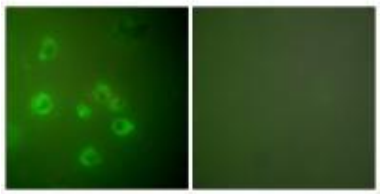
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

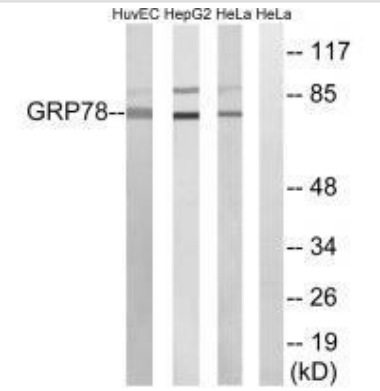
Images



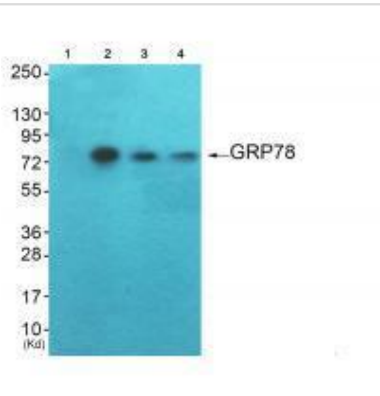
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GRP78 antibody #33395.



Immunofluorescence analysis of COS7 cells, using GRP78 antibody #33395.



Western blot analysis of extracts from HUVEC, HepG2 and Hela cells, using GRP78 antibody #33395.



Western blot analysis of extracts from HuvEc cells (Lane 2), COS7 cells (Lane 3) and JK cells (Lane 4), using GRP78 antiobdy #33395. The lane on the left is treated with systhesized peptide.

Background

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.

Uma K. Misra, J. Biol. Chem., Oct 2002; 277: 42082 - 42087.

CA Clairmont, J. Biol. Chem., Feb 1992; 267: 3983 - 3990.

J Tooze, J. Cell Biol., Jul 1989; 109: 35.

Jong K. Yun, PNAS, Dec 1997; 94: 13903.

Note: This product is for in vitro research use only