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	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total GRP78 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human GRP78.
Conjugates	Unconjugated
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
Calculated MW	78kDa
SDS-PAGE MW	72-78kDa
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

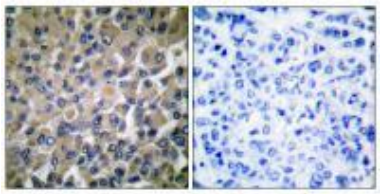
Application Details

Western blotting: 1:500~1:3000

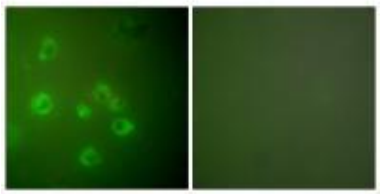
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

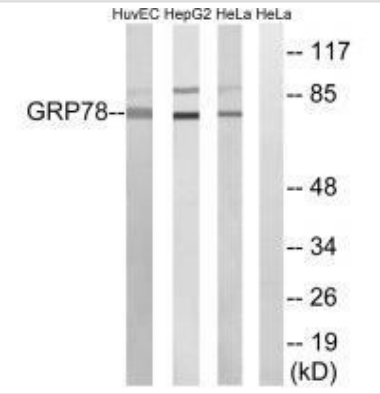
Images



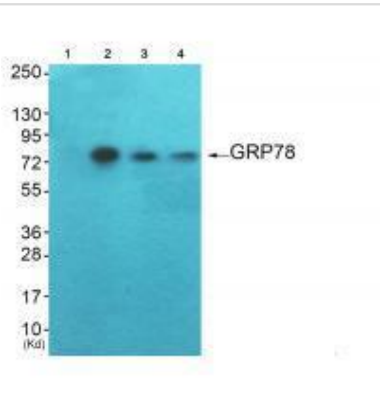
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using GRP78 antibody #33395.



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.

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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.

Published Papers

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el at., Nerve Growth Factor Protects the Ischemic Heart via Attenuation of the Endoplasmic Reticulum Stress Induced Apoptosis by Activation of Phosphatidylinositol 3-Kinase.In Int J Med Sci on 2015 Jan 1 by Ke Wei, Li Liu et al..PMID: 25552923, , (2015)

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el at., Cetuximab enhances oridonin-induced apoptosis through mitochondrial pathway and endoplasmic reticulum stress in laryngeal squamous cell carcinoma cells. In Toxicol In Vitro on 2020 May 12 by Ning Kang, Shijie Cao, et al..PMID:32407876, , (2020)

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el at., Endoplasmic reticulum stress is involved in retinal injury induced by repeated transient spikes of intraocular pressure. In J Zhejiang Univ Sci B on 2021 Sept 15 by Xue Yang, Xiaowei Yu et al..PMID: 34514754, , (2021)

PMID:34514754

Xuemei Huang;Lili Wu;Yaqi Kuang;Xin Li;Xiujun Deng;Xinghuan Liang;Li Li;Haiyan Yang;Zhenxing Huang;Decheng Lu;Zuojie Luo el at., Tauroursodeoxycholic acid mediates endoplasmic reticulum stress and autophagy in adrenocortical carcinoma cells, , (2019)

PMID:31814847

el at., Ginsenosides reduce body weight and ameliorate hepatic steatosis in high fat diet?induced obese mice via endoplasmic reticulum stress and p?STAT3/STAT3 signaling.In Mol Med Rep on 2020 Mar; by Yao Y et al..PMID:32016448, , (2020)

PMID:32016448

Note: This product is for in vitro research use only and is not intended for use in humans or animals.