

GRP78 Polyclonal Antibody, Alexa Fluor™ 488

Product Details	
Size	50 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Alexa Fluor™ 488
Excitation/Emission Max	499/520 nm
Immunogen	Synthetic peptide corresponding to residues C T(643) G E E D T S E K D E L(654) of rat GRP78
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2662418

Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunocytochemistry (ICC/IF)	1-10 µg/mL	-
Flow Cytometry (Flow)	-	1 Publication

Product Specific Information

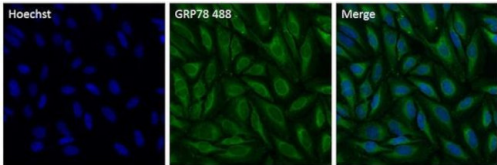
PA1014AA488 detects glucose regulated protein/BiP (GRP78) human, rat and mouse samples.

The PA1014AA488 immunogen is a synthetic peptide corresponding to residues C T(643) G E E D T S E K D E L(654) of rat GRP78.

Product Images For GRP78 Polyclonal Antibody, Alexa Fluor™ 488

GRP78 Antibody (PA1-014A-A488) in ICC/IF

Immunofluorescent analysis of Grp78 (green) in HeLa cells. The cells were fixed with 4% Paraformaldehyde in PBS for 15 minutes at room temperature, and blocked with 3% BSA in PBS (Product # 37525) for 30 minutes at room temperature. Cells were stained with a Grp78 Polyclonal Antibody, AlexaFluor 488 conjugate (Product # PA1-014A-A488) at a dilution of 2.5 µg/mL in blocking buffer for 1 hour at room temperature protected from light. Nuclei (blue) were stained with Hoechst Dye (Product # 62249) at a dilution of 1:10,000 in blocking buffer. Images were taken on a Thermo Scientific ToxInsight Instrument at 20X magnification.



Western Blot (1)

The Journal of biological chemistry

Depletion of the membrane-fusion regulator Munc18c attenuates caerulein hyperstimulation-induced pancreatitis.

"Published figure using GRP78 polyclonal antibody (Product # PA1-014A-A488) in Western Blot"

Authors: Dolai S,Liang T,Orabi AI,Xie L,Holmyard D,Javed TA,Fernandez NA,Xie H,Cattral MS,Thurmond DC,Thorn P, Gaisano HY

Year
2018

Flow Cytometry (1)

Cell death & disease

Cytokine-induced translocation of GRP78 to the plasma membrane triggers a pro-apoptotic feedback loop in pancreatic beta cells.

"Published figure using GRP78 polyclonal antibody (Product # PA1-014A-A488) in Flow Cytometry"

Authors: Vig S,Buitinga M,Rondas D,Crèvecoeur I,van Zandvoort M,Waelkens E,Eizirik DL,Gysemans C,Baatsen P, Mathieu C,Overbergh L

Year
2019

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