

# GRP78 Polyclonal Antibody, Alexa Fluor™ 647

Product Details	
Size	50 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Alexa Fluor™ 647
Excitation/Emission Max	650/671 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_2662648

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

## Product Specific Information

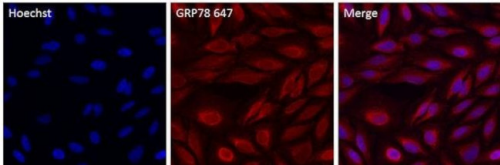
PA1014AA647 detects glucose regulated protein/BiP (GRP78) human, rat and mouse samples.

The PA1014AA647 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™ 647

### GRP78 Antibody (PA1-014A-A647) in ICC/IF

Immunofluorescent analysis of Grp78 (red) 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 647 conjugate (Product # PA1-014A-A647) 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)

<p>The Journal of biological chemistry</p> <p><b>Depletion of the membrane-fusion regulator Munc18c attenuates caerulein hyperstimulation-induced pancreatitis.</b></p> <p>"Published figure using GRP78 polyclonal antibody (Product # PA1-014A-A647) in Western Blot"</p> <p>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</p>	<p><b>Year</b> 2018</p> <p><b>Species</b> Human</p>
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Immunocytochemistry (1)

<p>Nature microbiology</p> <p><b>FOXO1 promotes HIV latency by suppressing ER stress in T cells.</b></p> <p>"PA1-014A-A647 was used in Immunocytochemistry to uncover a link of FOXO1, ER stress and HIV infection that could be therapeutically exploited to selectively reverse T-cell quiescence and reduce the size of the latent viral reservoir."</p> <p>Authors: Vallejo-Gracia A,Chen IP,Perrone R,Besnard E,Boehm D,Battivelli E,Tezil T,Krey K,Raymond KA,Hull PA, Walter M,Habrylo I,Cruz A,Deeks S,Pillai S,Verdin E,Ott M</p>	<p><b>Year</b> 2020</p> <p><b>Species</b> Human</p>
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