

For Research Use Only

# CoraLite® Plus 750-conjugated GRP94 Recombinant antibody

Catalog Number:CL750-82805-2



## Basic Information

<b>Catalog Number:</b> CL750-82805-2	<b>GenBank Accession Number:</b> BC066656	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 7184	<b>CloneNo.:</b> 6G15
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P14625	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Isotype:</b> IgG	<b>Full Name:</b> heat shock protein 90kDa beta (Grp94), member 1	<b>Excitation/Emission maxima wavelengths:</b> 755 nm / 780 nm
<b>Immunogen Catalog Number:</b> AG6344	<b>Calculated MW:</b> 92 kDa	
	<b>Observed MW:</b> 95-100 kDa	

## Applications

<b>Tested Applications:</b> WB	<b>Positive Controls:</b> WB : HepG2 cells, HeLa cells
<b>Species Specificity:</b> human	

## Background Information

HSP90 proteins are highly conserved molecular chaperones, which normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. HSP90B1 (GP96 or GRP94) is an endoplasmic reticulum paralogue of the cytosolic HSP90. As a major ER chaperone to mediate the UPR and a master chaperone for Toll-like receptors (TLRs), HSP90b1 chaperones peptides to MHC class I molecules of dendritic cells and other antigen-presenting cells, as well as facilitating the assembly of immunoglobulin. The protein is also involved in many other bio-processes. This antibody was generated against the N-terminal region of full-length HSP90b1.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

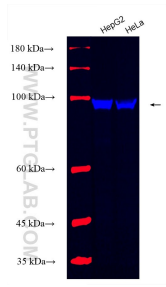
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-82805-2 (GRP94 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.