

For Research Use Only

# CoraLite® Plus 488-conjugated p115, USO1 Polyclonal antibody

Catalog Number: CL488-13509

Featured Product



## Basic Information

<b>Catalog Number:</b> CL488-13509	<b>GenBank Accession Number:</b> BC032654	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8615	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O60763	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Full Name:</b> USO1 homolog, vesicle docking protein (yeast)	
<b>Immunogen Catalog Number:</b> AG4431	<b>Calculated MW:</b> 962 aa, 108 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : HeLa cells,
<b>Species Specificity:</b> human	

## Background Information

p115, also known as USO1, TAP (transcytosis-associated protein) or VDP (vesicle docking protein) is a general vesicular transport factor and plays an important role at different steps of vesicular transport. It is a 962-residue peripheral membrane protein which recycles between the cytosol and the Golgi apparatus during interphase (PMID: 9478999). p115 forms stable homodimers (PMID: 19247479). Rab1 recruits p115 to coat protein complex II (COPII) vesicles during budding from the endoplasmic reticulum, where p115 interacts directly with a select set of SNARE proteins (PMID: 10903204). p115 is required for intra-Golgi transport, and also functions in endoplasmic reticulum to Golgi trafficking, Golgi biogenesis and exocytotic transport (PMID: 19247479).

## 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

For technical support and original validation data for this product please contact:

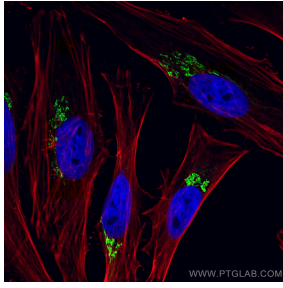
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 p115, USO 1 antibody (CL488-13509) at dilution of 1:200.