

For Research Use Only

# CoraLite® Plus 488-conjugated ZFYVE16 Polyclonal antibody



Catalog Number: CL488-13118

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-13118	<b>GenBank Accession Number:</b> BC032227	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9765	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> zinc finger, FYVE domain containing 16	<b>Excitation/Emission maximum wavelengths:</b> 493 nm / 522 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1539 aa, 169 kDa	
<b>Immunogen Catalog Number:</b> AG3811	<b>Observed MW:</b> 230-250 kDa	

## Applications

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

## Background Information

Endofin (also known as ZFYVE16) is an endosomal FYVE domain protein implicated in regulating membrane trafficking. Endofin has been shown to localize to early endosomes. It co-localizes with SARA but does not associate with it or Smad2 and does not behave like SARA in affecting TGF-signaling. Northern blot analysis showed ZFYVE16 was widely expressed with high levels in kidney, placenta and lung. Overexpression of Endofin causes endosome aggregation. The gene of ZFYVE16 maps to chromosome 5q14, and encodes a 1539-amino acid protein with a molecular mass of 169 kDa. In addition, endogenous Endofin can also be detected as a band of 230-250 kDa. (PMID: 11546807)

## 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

\*\*\* 20ul sizes contain 0.1% BSA

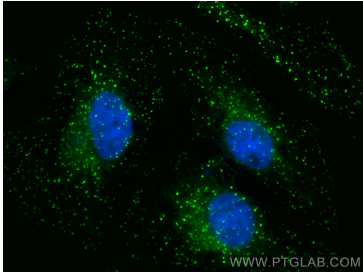
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 ZFYVE16 antibody (CL488-13118) at dilution of 1:200.