

For Research Use Only

# CoraLite® Plus 647-conjugated Alpha smooth muscle actin specific Recombinant antibody



Catalog Number: CL647-80008

Featured Product

## Basic Information

Catalog Number: CL647-80008	GenBank Accession Number: NM_001613	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 59	CloneNo.: 5H7
Source: Rabbit	UNIPROT ID: P62736	Recommended Dilutions: IF-P 1:50-1:500
Isotype: IgG	Full Name: actin, alpha 2, smooth muscle, aorta	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Calculated MW: 42 kDa	

## Applications

Tested Applications: IF-P	Positive Controls: IF-P : mouse small intestine tissue,
Species Specificity: human, mouse, rat, pig, chicken, zebrafish	

## Background Information

ACTA2 (also known as  $\alpha$ -smooth muscle actin or  $\alpha$ -SMA) belongs to the actin family. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. ACTA2 is primarily expressed in vascular smooth muscle and anti-ACTA2 is commonly used to marker smooth muscle cells.

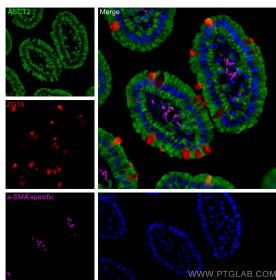
## Storage

**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

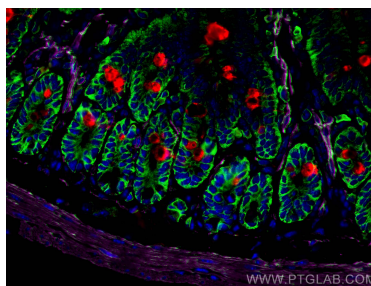
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using CoraLite® Plus 647 smooth muscle actin specific antibody (CL647-80008, Clone: 5H7 ) at dilution of 1:200, ZG16 antibody (67389-1-Ig, Clone: 1A7B9, red), ASCT2 antibody (20350-1-AP, green).



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