

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

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_001613

GeneID (NCBI):

59

UNIPROT ID:

P62736

Full Name:

actin, alpha 2, smooth muscle, aorta

Calculated MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

5H7

Recommended Dilutions:

IF-P 1:50-1:500

IF-Fro 1:50-1:500

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

IF-P, IF-Fro

Species Specificity:

human, mouse, rat, pig, chicken, zebrafish

Positive Controls:

IF-P: mouse small intestine tissue,

IF-Fro: mouse small intestine tissue,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

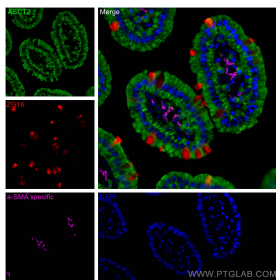
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

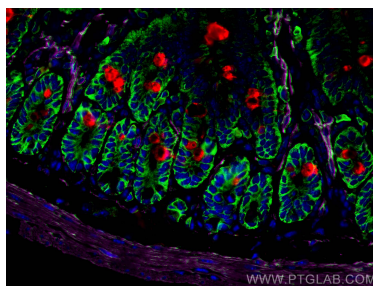
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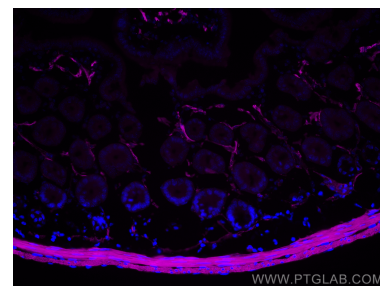
## Selected Validation Data



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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Immunofluorescent analysis of (4% PFA) fixed frozen OCT-embedded mouse small intestine tissue using CoraLite® Plus 647 Alpha smooth muscle actin specific antibody (CL647-80008, Clone: 5H7 ) at dilution of 1:200.