

CoraLite® Plus 488-conjugated smooth muscle actin Polyclonal antibody

Catalog Number: **CL488-14395**

Basic Information

Catalog Number: CL488-14395	GenBank Accession Number: BC017554	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 59	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: actin, alpha 2, smooth muscle, aorta	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 377 aa, 42 kDa	
Immunogen Catalog Number: AG5886	Observed MW: 43 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : mouse heart tissue, mouse small intestine tissue
Species Specificity: human, mouse, rat	

Background Information

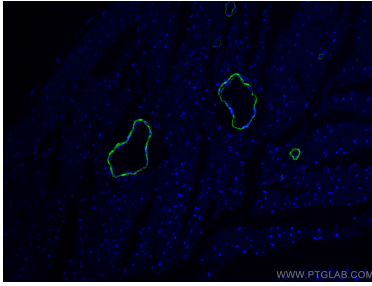
ACTA2 (also known as α -smooth muscle actin or α -SMA) belongs to the actin family. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. ACTA2 is primarily expressed in vascular smooth muscle and anti-ACTA2 is commonly used to marker smooth muscle cells. This antibody may cross-react with other isoforms of actins.

Storage

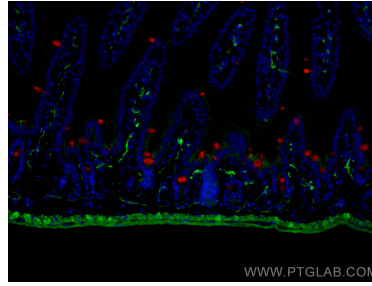
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using CoraLite® Plus 488 smooth muscle actin antibody (CL488-14395) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed mouse small intestine tissue using CoraLite® Plus 488 smooth muscle actin antibody (CL488-14395) at dilution of 1:200, CoraLite® Plus 594 ZG16 antibody (CL594-67389, Clone: 1A7B9, red).