For Research Use Only

CoraLite® Plus 405-conjugated Alpha smooth muscle actin specific Recombinant monoclonal antibody

Catalog Number:CL405-80008 Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL405-80008

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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

Observed MW:
42 kDa

Purification Method:
Protein A purification

CloneNo.:
5H7

Recommended Dilutions:
IF-P: 1:50-1:500

Excitation/Emission maxima wavelengths:
399 nm / 422 nm

Applications

Tested Applications:
IF-P

Species Specificity:
human, mouse, rat, pig, chicken, zebrafish

Positive Controls:

IF-P : rat heart tissue,

Background Information

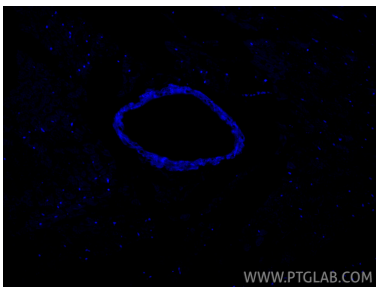
ACTA2 (also known as α-smooth muscle actin or α-SMA) belongs to the actin family. Actins are highly conserved proteins that are involved in various types of cell motility and are ubiquitously expressed in all eukaryotic cells. ACTA2 is primarily expressed in vascular smooth muscle and anti-ACTA2 is commonly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

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat heart tissue using CoraLite® Plus 405 Alpha smooth muscle actin specific antibody (CL405-80008, Clone: 5H7) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).