Leader in Biomolecular Solutions for Life Science

www.abclonal.com

α-Smooth Muscle Actin (ACTA2) Rabbit pAb

Catalog No.: A7248 **45 Publications**

Basic Information

Observed MW
42kDa

Calculated MW
42kDa

Category
Primary antibody

Applications
WB,IHC-P,IF/ICC,ELISA

Cross-Reactivity
Human, Mouse, Rat

Background

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, integrity, and intercellular signaling. The encoded protein is a smooth muscle actin that is involved in vascular contractility and blood pressure homeostasis. Mutations in this gene cause a variety of vascular diseases, such as thoracic aortic disease, coronary artery disease, stroke, and Moyamoya disease, as well as multisystemic smooth muscle dysfunction syndrome.

Recommended Dilutions

WB	1:500 - 1:1000
IHC-P	1:20 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
59

Swiss Prot
P62736

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
ACTSA; α-Smooth Muscle Actin (ACTA2)

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Product Information

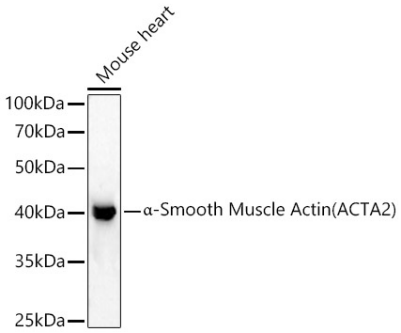
Source
Rabbit

Isotype
IgG

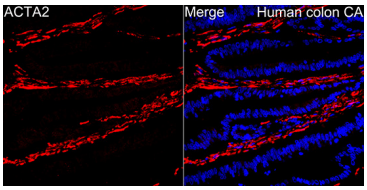
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,50% glycerol,pH7.3.

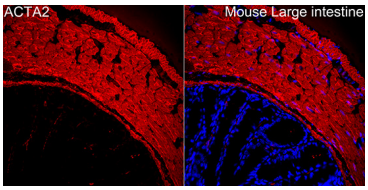
Validation Data



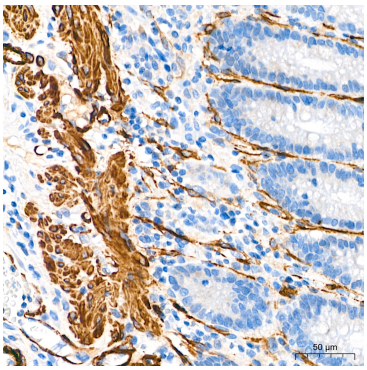
Western blot analysis of lysates from Mouse heart, using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 10s.



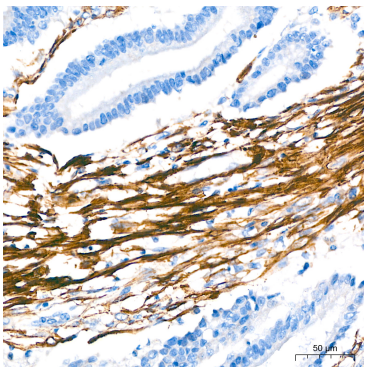
Immunofluorescence analysis of paraffin-embedded Human colon CA using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at dilution of 1:200 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



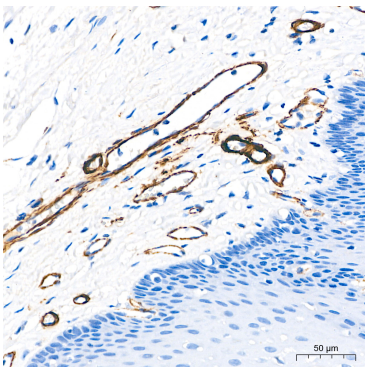
Immunofluorescence analysis of paraffin-embedded mouse large intestine using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



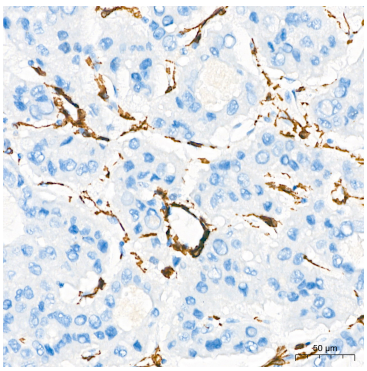
Immunohistochemistry analysis of paraffin-embedded human colon tissue using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded human colon carcinoma tissue using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

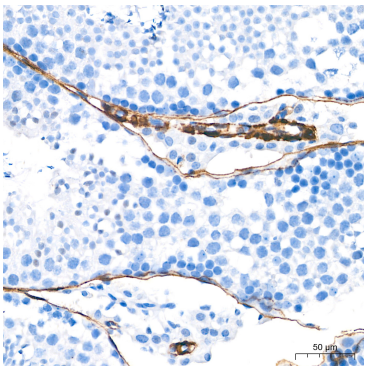


Immunohistochemistry analysis of paraffin-embedded human esophagus tissue using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

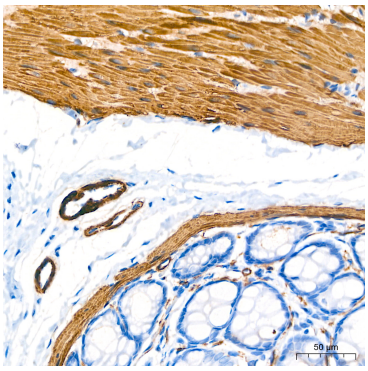


Immunohistochemistry analysis of paraffin-embedded human liver cancer tissue using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.

Validation Data



Immunohistochemistry analysis of paraffin-embedded mouse testis tissue using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded rat colon tissue using α-Smooth Muscle Actin (ACTA2) Rabbit pAb (A7248) at a dilution of 1:100 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer(pH 6.0) prior to IHC staining.