

Actin, smooth muscle (SMA) (AB1593) mouse mAb

V0004

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- Immunohistochemistry (IHC)

MW

- kDa (calculated)
- 42 kDa (observed)

Isotype

- IgG2a, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1593

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human Actin, smooth muscle protein.

Specificity The antibody can specifically recognize smooth muscle actin and shows no reaction with actin of skeletal muscle or cardiac muscle.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name ACTA2/ACTG2

Protein Name Actin, smooth muscle (SMA)

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P62736; P63267;	

Background Smooth muscle actin is a part of actin family of proteins which is specific in smooth muscle. The antibody can label smooth muscle actin but no cross reaction with actin of skeletal muscle and myocardium. It is mainly used to label smooth muscle and myoepithelial cells and tumors of their origin.