

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

W0460

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Mouse; Rat;

#### Applications

- IHC; WB; IF; ELISA

#### MW

- kDa (calculated)
- 42 kDa (observed)

#### Isotype

- IgG2a, kappa

### Recommended Dilution Ratios

#### Application

IHC; WB; IF; ELISA

#### Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### 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**

Human

**Swiss Prot.**

P62736; P63267;

**Gene ID**

**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.