

α smooth muscle actin (AB1667) Rabbit mAb

M3036

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat,

Applications

- WB, IHC, IF, IP, ELISA

MW

- 42 kDa (calculated)
- 42 kDa (observed)

Isotype

- IgG

Recommended Dilution Ratios

Application

WB, IHC, IF, IP, ELISA

Dilution

WB, 1:1000-1:5000 | IHC, 1:200-1:1000 | IF, 1:200-1:1000 | IP, 0.5 μg-4 μg antibody for 200 μg-400 μg extracts of whole cells. | 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 AB1667

Immunogen Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Specificity This antibody detects endogenous levels of α smooth muscle actin protein.

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

Protein Name α smooth muscle actin

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P62736	59

Background

The protein encoded by this gene belongs to the actin family of proteins, which are highly conserved proteins that play a role in cell motility, structure and integrity. Alpha, beta and gamma actin isoforms have been identified, with alpha actins being a major constituent of the contractile apparatus, while beta and gamma actins are involved in the regulation of cell motility. This actin is an alpha actin that is found in skeletal muscle. Defects in this gene cause aortic aneurysm familial thoracic type 6. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2008],