

Myosin Heavy Chain, Smooth Muscle (SMMHC) (AB1358) mouse mAb

V0410

Key Features

Host Species

- Mouse

Reactivity

- Human; Mouse; Rat;

Applications

- Immunohistochemistry (IHC)

MW

- 227 kDa (calculated)
- 227 kDa (observed)

Isotype

- IgG1, 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 AB1358

Immunogen A synthetic peptide corresponding to the amino acid region 300 - 400 of the human Myosin Heavy Chain, Smooth Muscle protein.

Specificity The antibody can specifically recognize human Myoglobin 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 MYH11

Protein Name Myosin Heavy Chain, Smooth Muscle (SMMHC)

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P35749	4629

Background Smooth muscle myosin heavy chain (SMMHC) is a structural component of smooth muscle myosin with a molecular weight of 200 kDa. It is mainly used to label vascular and visceral smooth muscle cells and myoepithelial cells. It is a sensitive and specific marker of smooth muscle. It is mainly used for the diagnosis and classification of mesenchymal tumors, and can also be used for the detection of breast myoepithelial cells, which is helpful to distinguish carcinoma in situ from invasive carcinoma.