

## Actin pan (AB1489) mouse mAb

W0263

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Mouse; Rat; Bovin; Pig; Chick;

#### 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** AB1489

**Immunogen** A synthetic peptide corresponding to the amino acid region 300 - 377 of the human Actin pan protein.

**Specificity** This antibody detects endogenous levels of all actins 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** ACTC1  
ACTA1  
ACTA2

**Protein Name** Actin pan

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P62736; P68032; P60709;	0

#### 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],