

## SOX9 (AB1595) mouse mAb

W0397

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human; Mouse; Rat; Bovin;

#### Applications

- IHC; WB; IF; ELISA

#### MW

- 56 kDa (calculated)
- 70 kDa (observed)

#### Isotype

- IgG2b, 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** AB1595

**Immunogen** A synthetic peptide corresponding to the amino acid region 1 - 100 of the human SOX9 protein.

**Specificity** The antibody can specifically recognize human SOX9 protein. In western blotting of SW480 and HepG2 cell lysates, the antibody can label a 60 kDa band corresponding to SOX9.

**Purification** Affinity purification Protein A

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

### Target Information

**Gene name** SOX9

**Protein Name** SOX9

Database Link	Organism	Swiss Prot.	Gene ID
	Human	P48436	6662

**Background** Sox9 is a transcription factor that plays a key role in chondrocyte differentiation and bone development. It is expressed in cartilage, neural crest, kidney and pancreas.