

Rev01
Update: May,14,2025

DATASHEET

SOX9 Antibody, mAb, Rabbit

Cat. No.: A02789

Overview

Specificity	This product is specific to SOX9
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human SOX9
Species Reactivity	Human; Mouse; Rat
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Application	Recommended Usage
Western Blot	1:1000-1:2000
Immunohistochemistry (IHC)	1:100-1:200
Immunocytochemistry/Immunofluorescence (ICC/IF)	1:50-1:200
Immunohistochemistry Frozen (IHF)	1:50-1:200

Properties

Form	Liquid
Storage Buffer	Supplied in 10mM phosphate buffered saline , pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed.
Purification	Affinity-chromatography

Isotype	Rabbit IgG
Clonality	Monoclonal

Background

Target Background : Transcription factor that plays a key role in chondrocytes differentiation and skeletal development. Specifically binds the 5'-ACAAAG-3' DNA motif present in enhancers and super-enhancers and promotes expression of genes important for chondrogenesis, including cartilage matrix protein-coding genes COL2A1, COL4A2, COL9A1, COL11A2 and ACAN, SOX5 and SOX6.

Synonyms : CMD1; Sox9; SRA1; SRXX2; SRXY10; SRY (sex determining region Y) box 9; Transcription factor SOX 9;

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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