

# SOX-9 (Clone ZM171)

## Mouse Monoclonal Antibody

**Specificity:** Human. Others not known

**Immunogen:** Recombinant human SOX9 protein fragment (around aa 393-508)

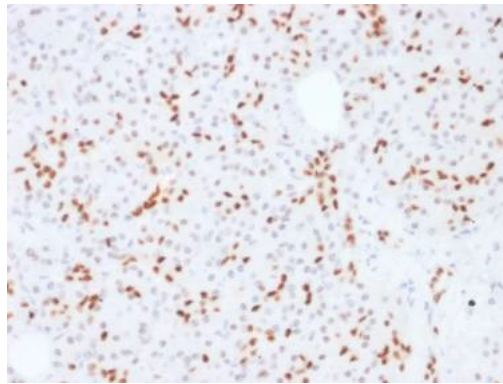
**Ig Class:** IgG1/ $\kappa$

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Pancreas. *Cellular Localization:* Nuclear. *Intended Use:* In vitro diagnosis (IVD).

**Description:** Sox genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. SOX9 plays an important role in the normal skeletal development. It may regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes.

**Supplied As:** Purified antibody with 0.2% BSA and 15mM sodium azide.



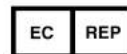
*Formalin-fixed, paraffin-embedded human pancreas stained with anti-SOX-9 antibody using peroxidase-conjugate and DAB chromogen. Note the nuclear staining of some glandular cells*

**Cat. #Z2483 (1.0 ml)**

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