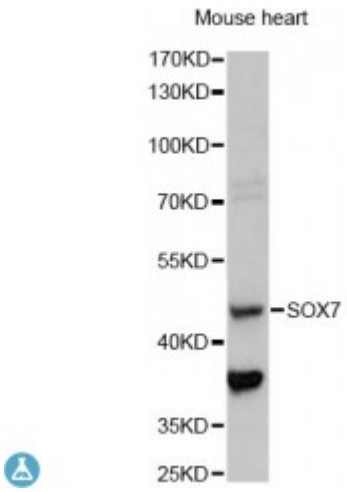
Anti-SOX7 Antibody



Description	This gene encodes a member of the SOX (SRY-related HMG-box) family of transcription factors involved in the regulation of embryonic development and in the determination of the cell fate. The encoded protein may act as a transcriptional regulator after forming a protein complex with other proteins. The protein may play a role in tumorigenesis. A similar protein in mice is involved in the regulation of the wingless-type MMTV integration site family (Wnt) pathway.
Model	STJ117140
Host	Rabbit
Reactivity	Mouse
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 250-350 of human SOX7 (NP_113627.1).
Gene ID	83595
Gene Symbol	SOX7
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed in adult and fetal tissues, Present both in mesenchymal and epithelial cells in some adult tissues, including colon, Tends to be down-regulated in prostate adenocarcinomas and colorectal tumors due to promoter hypermethylation
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Transcription factor SOX-7
Molecular Weight	42.197 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:18196OMIM:612202Reactome:R-HSA-3769402
Alternative Names	Transcription factor SOX-7
Function	Binds to and activates the CDH5 promoter, hence plays a role in the transcriptional regulation of genes expressed in the hemogenic endothelium and blocks further differentiation into blood precursors , May be required for the survival of both hematopoietic and endothelial precursors during specification , Competes with GATA4 for binding and activation of the FGF3 promoter , Represses Wnt/beta-catenin-stimulated transcription, probably by targeting CTNNB1 to proteasomal degradation, Binds the DNA sequence 5'-AACAAT-3',
Cellular Localization	Nucleus