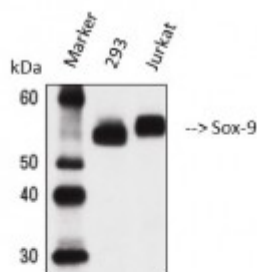


Anti-Sox-9 antibody



Western Blot (WB) analysis of 293 and Jurkat cell lysate using Sox-9 antibody (STJ95736).



Description

Sox-9 is a protein encoded by the SOX9 gene which is approximately 56,2 kDa. Sox-9 is localised to the nucleus. It is involved in signalling by wnt, cAMP signalling pathway and embryonic and induced pluripotent stem cell differentiation pathways and lineage-specific markers. It plays an important role in the normal skeletal development and may regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes. Sox-9 is expressed in the nervous system, eye, bone, intestine and pancreas. Mutations in the SOX9 gene may result in campomelic dysplasia. STJ95736 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of Sox-9 protein.

Model	STJ95736
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Sox-9 around the non-phosphorylation site of S181.
Immunogen Region	120-200 aa
Gene ID	6662
Gene Symbol	SOX9
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	Sox-9 Polyclonal Antibody detects endogenous levels of Sox-9 protein.

Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Transcription factor SOX-9
Molecular Weight	56 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:11204OMIM:114290
Alternative Names	Transcription factor SOX-9
Function	Transcription factor that plays an important role in the normal skeletal development . May regulate the expression of other genes involved in chondrogenesis by acting as a transcription factor for these genes.
Cellular Localization	Nucleus

St John's Laboratory Ltd

F +44 (0)207 681 2580
T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>
E info@stjohnslabs.com