Best Tools for immunology Research

SOX9 (ABT213R) rabbit mAb

Catalog No :	YM7213
Reactivity :	Human;Mouse (predicted: Rat;Bovin)
Applications :	IHC;WB; ELISA
Target :	Sox-9
Fields :	>>cAMP signaling pathway
Gene Name :	SOX9
Protein Name :	Transcription factor SOX-9
Human Gene Id :	6662
Human Swiss Prot No :	P48436
Immunogen :	Synthesized peptide derived from human SOX9 AA range:1-100
Specificity :	This antibody detects endogenous levels of Sox-9
Formulation :	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source :	Monoclonal, Rabbit IgG1, Kappa
Dilution :	IHC 1:100-500, WB 1:500-1000, ELISA 1:5000-20000
Purification :	Recombinant Expression and Affinity purified
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	56kD

Background : SRY-box 9(SOX9) Homo sapiens The protein encoded by this gene recognizes the sequence CCTTGAG along with other members of the HMG-box class DNA-binding proteins. It acts during chondrocyte differentiation and, with steroidogenic factor 1, regulates transcription of the anti-Muellerian hormone (AMH) gene.

	Deficiencies lead to the skeletal malformation syndrome campomelic dysplasia, frequently with sex reversal. [provided by RefSeq, Jul 2008],
Function :	disease:Defects in SOX9 are the cause of campomelic dysplasia (CMD1) [MIM:114290]. CMD1 is a rare, often lethal, dominantly inherited, congenital osteochondrodysplasia, associated with male-to-female autosomal sex reversal in two-thirds of the affected karyotypic males. A disease of the newborn characterized by congenital bowing and angulation of long bones, unusually small scapulae, deformed pelvis and spine and a missing pair of ribs. Craniofacial defects such as cleft palate, micrognatia, flat face and hypertelorism are common. Various defects of the ear are often evident, affecting the cochlea, malleus incus, stapes and tympanum. Most patients die soon after birth due to respiratory distress which has been attributed to hypoplasia of the tracheobronchial cartilage and small thoracic cage.,function:Plays an important role in the normal skeletal development. May regulate the expression
Subcellular Location :	Nuclear
Expression :	Eye,PNS,Testis,

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