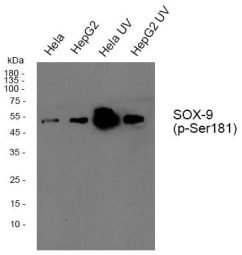
Sox-9 (phospho Ser181) Monoclonal Antibody

Catalog No	BYmab-01389
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	SOX9
Protein Name	Transcription factor SOX-9
Immunogen	The antiserum was produced against synthesized peptide derived from human SOX-9 around the phosphorylation site of Ser181. AA range:147-196
Specificity	Phospho-Sox-9 (S181) Monoclonal Antibody detects endogenous levels of Sox-9 protein only when phosphorylated at S181.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SOX9; Transcription factor SOX-9
Observed Band	65kD
Cell Pathway	Nucleus .
Tissue Specificity	Eye,PNS,Testis,
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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using Sox-9 (phospho Ser181) Monoclonal Antibody