SOX9 (PT0295R) PT® Rabbit mAb

CatalogNo: YM8170 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat,

Applications
- WB,IHC,IF,ELISA

MW
- 56kD (Calculated)
70kD (Observed)

Isotype
- IgG,Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000
WB 1:500-1:1000
IF 1:200-1:1000
ELISA 1:5000-1:20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Basic Information

Clonality	Monoclonal
Clone Number	PT0295R

Immunogen Information

Specificity	Endogenous

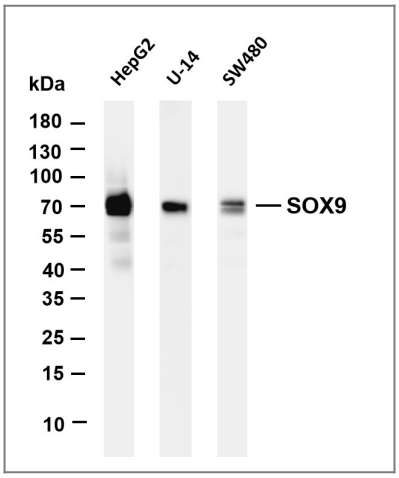
Target Information

Gene name	SOX9
Protein Name	Transcription factor SOX-9

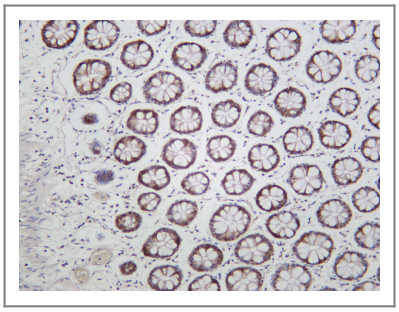
Organism	Gene ID	UniProt ID
Human	6662;	P48436;
Mouse	20682;	Q04887;

Cellular Localization	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 of other genes involved in chondrogenesis by acting as a transcription factor for these genes.,similarity:Contains 1 HMG box DNA-binding domain.,

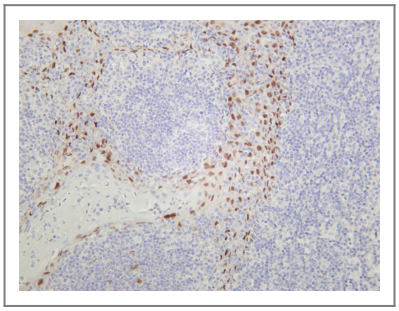
Validation Data



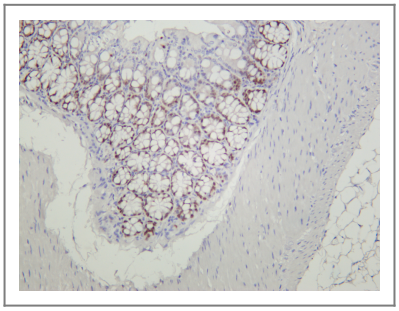
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SOX9 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HepG2 Lane 2: U-14 Lane 3: SW480 Predicted band size: 56kDa Observed band size: 70kDa



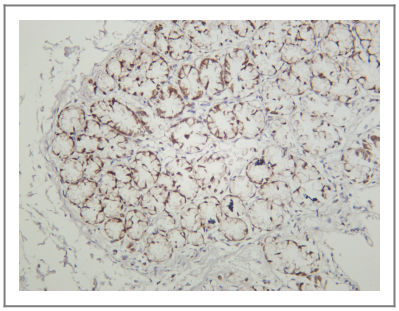
Human colon was stained with anti-SOX9 rabbit antibody



Human tonsil was stained with anti-SOX9 rabbit antibody



Mouse colon was stained with anti-SOX9 rabbit antibody



Rat colon was stained with anti-SOX9 rabbit antibody

Contact information

Orders:	order.cn@immunoway.com
Support:	support.cn@immunoway.com
Telephone:	400-8787-807(China)
Website:	http://www.immunoway.com.cn
Address:	2200 Ringwood Ave San Jose, CA 95131 USA

Please scan the QR code to access additional product information:
SOX9 (PT0295R) PT® Rabbit mAb