

For Research Use Only

Anti-Human SOX9 Rabbit Recombinant Antibody

Catalog Number: 98586-1-RR



Basic Information

Catalog Number: 98586-1-RR	GenBank Accession Number: NM_000346	Purification Method: Protein A purification
Concentration: 100ug, 1000 µg/ml	GeneID (NCBI): 6662	CloneNo.: 251471F12
Source: Rabbit	UNIPROT ID: P48436	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: SRY (sex determining region Y)-box 9	
	Calculated MW: 56 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : SW480 cells, HepG2 cells, PC-3 cells
Species Specificity: human	

Background Information

SOX9, also named as Transcription factor SOX-9, is a 509 amino acid protein. Sex-determining region Y (SRY)-box 9 protein (SOX9) is a member of the SOX family of transcription factors (TFs) which are developmental regulators that possess high mobility group (HMG) box DNA binding and transactivation domains. It participates in a variety of functions, such as lineage restriction and terminal differentiation, through precise temporal and spatial expression patterns that differ between particular cell types and tissues. SOX9 gene has been implicated in different types of cancer as an oncogene; however, it also may behave as a tumor suppressor.

Storage

Storage:
Store at 2 - 8°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:

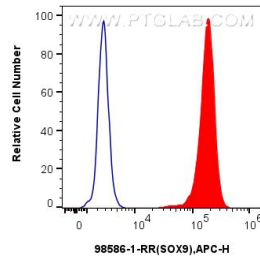
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



1×10^6 SW480 cells were intracellularly stained with 0.25 μ g Anti-Human SOX9 Rabbit RecAb (98586-1-RR, Clone: 251471F12) (red) or 0.25 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and CoraLite647-conjugated F(ab')₂ Fragment Donkey Anti-Rabbit IgG (H+L) (SA00014-7). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).