

For Research Use Only

COL9A1 Polyclonal antibody

Catalog Number: 12507-1-AP



Basic Information

Catalog Number: 12507-1-AP	GenBank Accession Number: BC015409	Purification Method: Antigen affinity purification
Concentration: 800 ug/ml	GeneID (NCBI): 1297	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P20849	
Isotype: IgG	Full Name: collagen, type IX, alpha 1	
Immunogen Catalog Number: AG3189	Calculated MW: 921 aa 92 kDa	
	Observed MW: 64-67 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells,
Species Specificity: human	

Background Information

COL9A1 (collagen type IX alpha 1 chain), also known as MED. It is expected to be located in extracellular space, and the protein is enriched in the brain, choroid plexus and prostate. This gene encodes one of the three alpha chains of type IX collagen, which is a minor (5-20%) collagen component of hyaline cartilage. Type IX collagen is usually found in tissues containing type II collagen, a fibrillar collagen. Mutations in this gene are associated with osteoarthritis in humans, with multiple epiphyseal dysplasia, 6, a form of chondrodysplasia, and with Stickler syndrome, a disease characterized by ophthalmic, orofacial, articular, and auditory defects. The molecular weight of COL9A1 is 64 kDa, and it can recognize other isoforms.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol
Aliquoting is unnecessary for -20°C storage

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

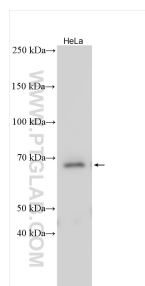
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12507-1-AP (Collagen Type IX antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.