

For Research Use Only

COL9A1 Polyclonal antibody, PBS Only

Catalog Number: 12507-1-PBS



Basic Information

Catalog Number:

12507-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3189

GenBank Accession Number:

BC015409

GeneID (NCBI):

1297

UNIPROT ID:

P20849

Full Name:

collagen, type IX, alpha 1

Calculated MW:

921 aa 92 kDa

Observed MW:

64-67 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS only, pH7.3

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

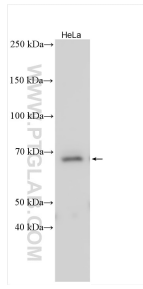
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Selected Validation Data



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. This data was developed using the same antibody clone with 12507-1-PBS in a different storage buffer formulation.