

For Research Use Only

Collagen Type XXV Polyclonal antibody

Catalog Number: 12738-1-AP



Basic Information

Catalog Number:

12738-1-AP

Size:

150ul, Concentration: 200 ug/ml by Nanodrop and 160 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3634

GenBank Accession Number:

BC036669

GeneID (NCBI):

84570

UNIPROT ID:

Q9BX50

Full Name:

collagen, type XXV, alpha 1

Calculated MW:

65 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : mouse brain tissue, rat brain tissue

IF/ICC : HeLa cells,

Background Information

Collagen alpha-1(XXV) chain is a protein that in humans is encoded by the COL25A1 gene. COL25A1 is a brain-specific membrane-bound collagen. Proteolytic processing releases CLAC, a soluble form of COL25A1 containing the extracellular collagen domains that associates with senile plaques in Alzheimer disease brains.(PMID: 11927537)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

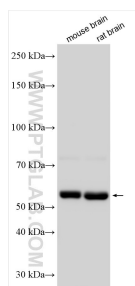
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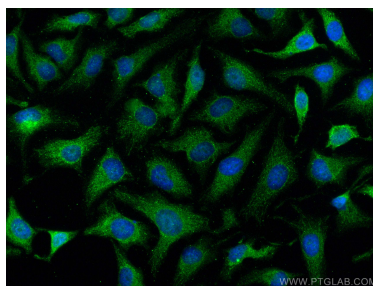
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12738-1-AP (Collagen Type XXV antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Collagen Type XXV antibody (12738-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).