

For Research Use Only

# COL12A1 Polyclonal antibody

Catalog Number: 51113-1-AP



## Basic Information

Catalog Number:

51113-1-AP

Concentration:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_004370

GeneID (NCBI):

1303

UNIPROT ID:

Q99715

Full Name:

collagen, type XII, alpha 1

Calculated MW:

333 kDa

Observed MW:

333-460 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : BxPC-3 cells, SKOV-3 cells, T-47D cells

## Background Information

COL12A1 (Collagen alpha-1(XII) chain), also known as COL12A1L. It is predicted to be located in the ECM. Type XII collagen interacts with type I collagen-containing fibrils, the COL1 domain could be associated with the surface of the fibrils, and the COL2 and NC3 domains may be localized in the perifibrillar matrix. The molecular weight of COL12A1 is 333 kDa. It is reported that the molecular weight of the protein is 268-460kDa (PMID: 31273343).

## 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

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

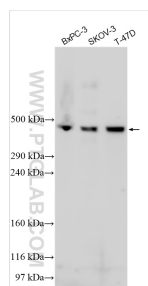
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 51113-1-AP (Collagen Type XII antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.