For Research Use Only

# CD74 Polyclonal antibody

Catalog Number:32759-1-AP 1 Publications

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## Basic Information

Catalog Number:
32759-1-AP

Size:
150ul , Concentration: 450 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG2716

GenBank Accession Number:
NM_001042605.1

GeneID (NCBI):
16149

UNIPROT ID:
P04441-1

Full Name:
CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated)

Calculated MW:
32 kDa

Observed MW:
41 kDa, 31 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB: 1:2000-1:12000

## Applications

Tested Applications:
WB, ELISA

Species Specificity:
mouse, rat

Positive Controls:

WB : mouse spleen tissue, mouse thymus tissue, rat spleen tissue, rat thymus tissue

## Background Information

CD74, also known as MHC class II invariant chain Ii or HLA-DR-associated invariant chain, is a non-polymorphic type II transmembrane glycoprotein. CD74 is mainly distributed in B cells, monocytes, Langerhans cells, dendritic cells and thymic epithelial cells, and is also expressed in epithelial cells. CD74 plays a key role in MHC class II antigen processing and also serves as a cell surface receptor for the macrophage cytokine MIF. CD74 plays an important role in cardiovascular diseases such as atherosclerosis, ischemic heart disease, and myocardial hypertrophy. (PMID: 15475450; 27752708; 38992165; 36712241).

## Notable Publications

| Author | Pubmed ID | Journal | Application |
|---|---|---|---|
| Xiangwen Shi | 42182863 | Mater Today Bio | |

## Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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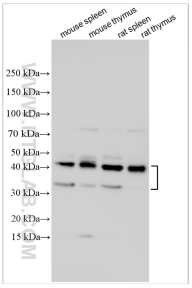
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data




Various lysates were subjected to SDS PAGE followed by western blot with 32759-1-AP (CD74 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.