

For Research Use Only

# JAML Polyclonal antibody

Catalog Number: 21302-1-AP

3 Publications



## Basic Information

### Catalog Number:

21302-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15900

### GenBank Accession Number:

BC100797

### GeneID (NCBI):

120425

### UNIPROT ID:

Q86YT9

### Full Name:

adhesion molecule, interacts with CXADR antigen 1

### Calculated MW:

394 aa, 44 kDa

### Observed MW:

44 kDa, 50-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : HL-60 cells, Jurkat cells, L02 cells

IHC : human spleen tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

Junctional adhesion molecules (JAM-A, JAM-B, and JAM-C) are endothelial and epithelial adhesion molecules involved in the recruitment of circulating leukocytes to inflammatory sites (PMID: 19064666). JAM (junctional adhesion molecule-like), also known as AMICA1, is related to JAM proteins. It contains 2 extracellular immunoglobulin-like domains, a transmembrane segment, and a cytoplasmic tail. JAM is expressed on leukocytes and promotes their adhesion to endothelial cells (PMID: 12869515). JAM can regulate neutrophil transepithelial migration via binding interactions with epithelial coxsackie and adenovirus receptor (CAR) (PMID: 15800062). The full-length human JAM protein has a calculated molecular weight of 44 kDa. This antibody raised against 40-275 aa of human JAM protein detects bands with molecular weight of 44 kDa, and 50-70 kDa which probably represent different glycoforms of the protein (PMID: 12869515; 24621992; 15800062).

## Notable Publications

Author	Pubmed ID	Journal	Application
Qian Wu	35672776	J Transl Med	IHC,IF
Yu Sun	31101724	Clin Sci (Lond)	IHC,IF
Wei Gu	35090936	Eur J Pharmacol	WB,IHC

## 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

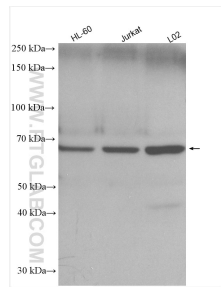
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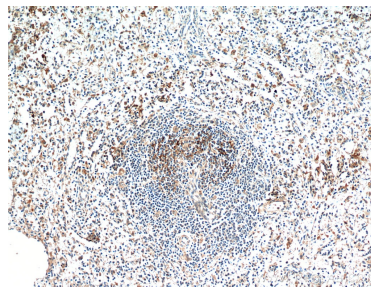
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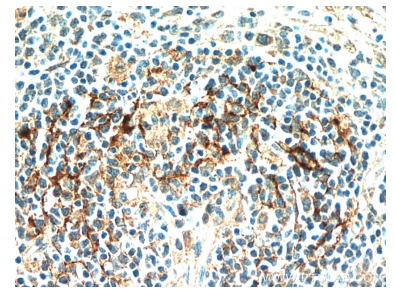
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21302-1-AP (JAML antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen using 21302-1-AP (JAML antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human spleen using 21302-1-AP (JAML antibody) at dilution of 1:100 (under 40x lens).