

## EMAP II Polyclonal antibody

Catalog Number: 11091-1-AP

Featured Product

6 Publications

## Basic Information

## Catalog Number:

11091-1-AP

## Size:

550 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG1560

## GenBank Accession Number:

BC014051

## GeneID (NCBI):

9255

## UNIPROT ID:

Q12904

## Full Name:

small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating)

## Calculated MW:

34 kDa

## Observed MW:

34 kDa and 68 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

## Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

## Cited Applications:

WB, IHC, IF

## Species Specificity:

human, mouse

## Cited Species:

human, rat

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

## Positive Controls:

**WB**: HeLa cells, A549 cells, SGC-7901 cells, SH-SY5Y cells, U-251 cells, mouse brain tissue

**IP**: SGC-7901 cells,

**IHC**: human cervical cancer tissue,

**IF/ICC**: HeLa cells,

## Background Information

SCYE1 (small inducible cytokine subfamily E, member 1) is also named as EMAP2, AIMP1. The human cDNA encodes a 312-amino acid polypeptide that the predicted 34-kDa precursor can be cleaved to produce an active 20-kDa product (PMID:7929199). SCYE1 is secreted as a result of various stimuli, including TNF- $\alpha$ , heat shock, and hypoxia, and that it acts as a multifunctional cytokine on both endothelial and immune cells (PMID:18292511). Defects in AIMP1 are the cause of leukodystrophy hypomyelinating type 3 (HLD3). It has 2 isoforms produced by alternative splicing and the protein can exist as a dimer (PMID:11306575).

## Notable Publications

Author	Pubmed ID	Journal	Application
Krishnendu Khan	36037331	Proc Natl Acad Sci U S A	WB
Xintian Chen	33794309	Cancer Lett	WB
Wei Gao	31287215	Proteomics	WB

## 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

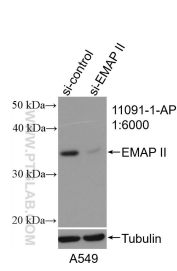
For technical support and original validation data for this product please contact:

T: 4006900926

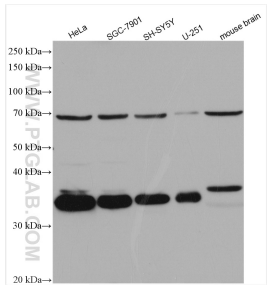
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

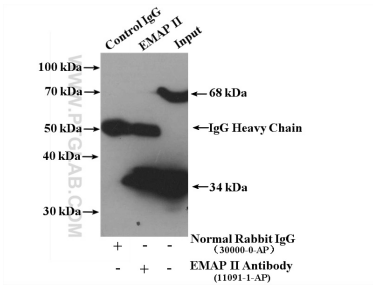
Selected Validation Data



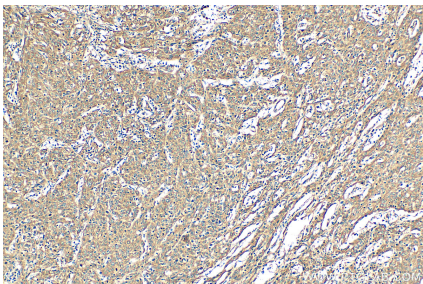
WB result of EMAP II antibody (11091-1-AP; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EMAP II transfected A549 cells.



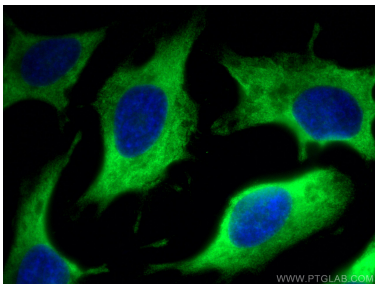
Various lysates were subjected to SDS PAGE followed by western blot with 11091-1-AP (EMAP II antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-EMAP II (IP:11091-1-AP, 4ug; Detection:11091-1-AP 1:500) with SGC-7901 cells lysate 2200 ug.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 11091-1-AP (EMAP II antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using EMAP II antibody (11091-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).