

For Research Use Only

# EML4 Polyclonal antibody

Catalog Number: 22709-1-AP



## Basic Information

### Catalog Number:

22709-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 440 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG18463

### GenBank Accession Number:

BC140845

### GeneID (NCBI):

27436

### UNIPROT ID:

Q9HC35

### Full Name:

echinoderm microtubule associated protein like 4

### Calculated MW:

981 aa, 109 kDa

### Observed MW:

120 kDa

### Purification Method:

Antigen Affinity purified

### Recommended Dilutions:

WB 1:500-1:3000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Species Specificity:

human

**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 : A549 cells, A431 cells, HeLa cells

IP : A549 cells,

IHC : human breast cancer tissue, human prostate cancer tissue, human lung cancer tissue

IF/ICC : A549 cells,

## 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

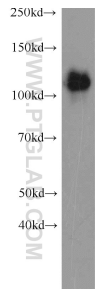
For technical support and original validation data for this product please contact:

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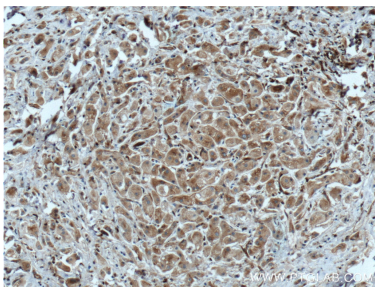
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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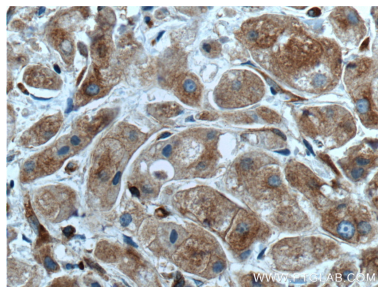
Selected Validation Data



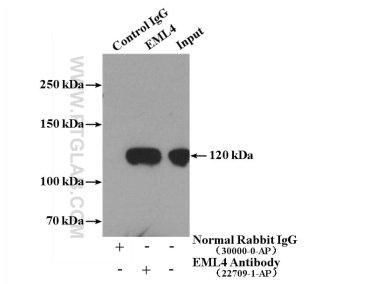
A549 cells were subjected to SDS PAGE followed by western blot with 22709-1-AP (EML4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



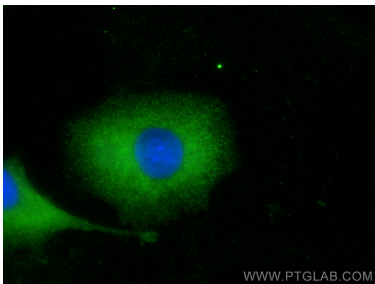
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22709-1-AP (EML4 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22709-1-AP (EML4 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-EML4 (IP:22709-1-AP, 4ug; Detection:22709-1-AP 1:2000) with A549 cells lysate 400ug.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using EML4 antibody (22709-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).