

# EML4 Polyclonal antibody

Catalog Number: 22709-1-AP

## Basic Information

**Catalog Number:**

22709-1-AP

**Size:**

700 µg/ml

**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 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, 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:** A549 cells,

## Background Information

### Storage

**Storage:**

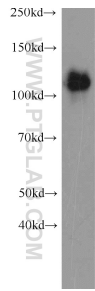
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

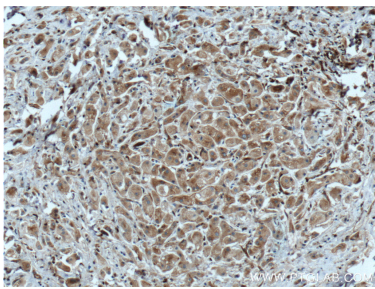
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

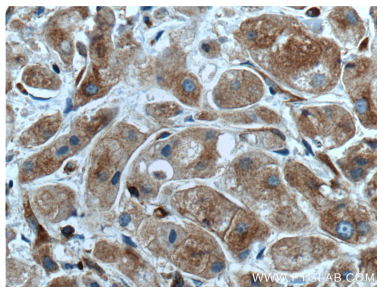
Selected Validation Data



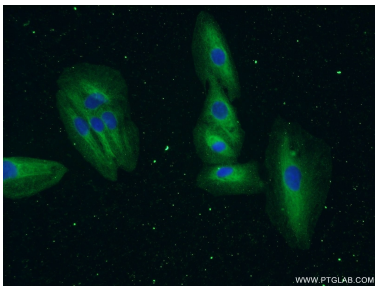
A549 cells were subjected to SDS PAGE followed by western blot with 22709-1-AP (EML4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



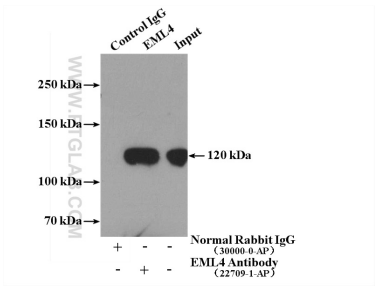
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22709-1-AP (EML4 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



Immunofluorescent analysis of A549 cells using 22709-1-AP (EML4 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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