

## Eg5 (Phospho Thr926) Rabbit pAb

CatalogNo: YP0372

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human,Mouse,Rat

#### Applications

- WB,IHC,IF,ELISA

#### MW

- 119kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:5000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human KIF11/Eg5 around the phosphorylation site of Thr926. AA range:892-941

**Specificity** Phospho-Eg5 (T926) Polyclonal Antibody detects endogenous levels of Eg5 protein only when phosphorylated at T926. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):GTtPQ

## Target Information

**Gene name** KIF11

**Protein Name** Kinesin-like protein KIF11

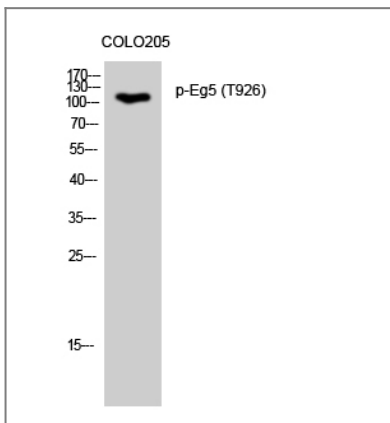
Organism	Gene ID	UniProt ID
Human	<a href="#">3832</a> ;	<a href="#">P52732</a> ;
Mouse		<a href="#">Q6P9P6</a> ;

**Cellular Localization** Cytoplasm . Cytoplasm , cytoskeleton , spindle pole .

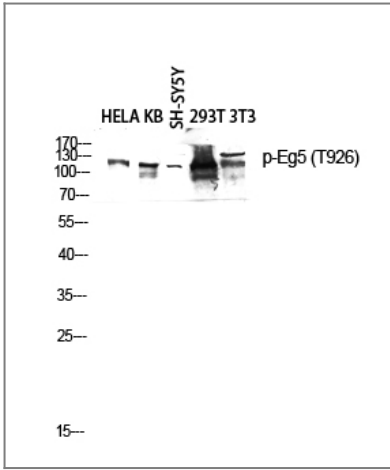
**Tissue specificity** Brain ,Epithelium ,Lung ,

**Function** Function:Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastal microtubule arrays. ,PTM:Phosphorylated exclusively on serine during S phase , but on both serine and Thr-926 during mitosis , so controlling the association of KIF11 with the spindle apparatus (probably during early prophase) . Phosphorylated upon DNA damage , probably by ATM or ATR. ,similarity:Belongs to the kinesin-like protein family. BimC subfamily. ,similarity:Contains 1 kinesin-motor domain. ,subunit:Interacts with the thyroid hormone receptor in the presence of thyroid hormone. Component of a large chromatin remodeling complex , at least composed of MYSM1 , PCAF , RBM10 and KIF11/TRIP5. ,

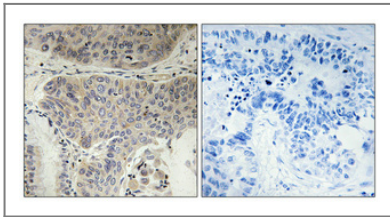
## Validation Data



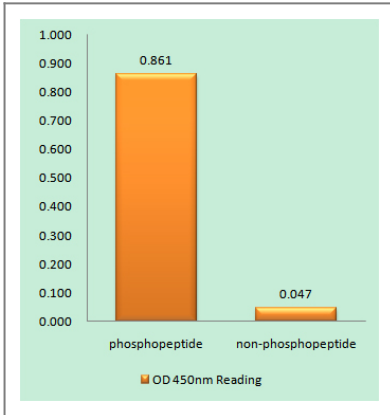
Western Blot analysis of COLO205 cells using Phospho-Eg5 (T926) Polyclonal Antibody diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA).



Western blot analysis of HELA KB SH-SY5Y 293T 3T3 lysis using Phospho-Eg5 (T926) antibody. Antibody was diluted at 1:2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4°C overnight). High-pressure and temperature Tris-EDTA, pH8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using KIF11/Eg5 (Phospho-Thr926) Antibody

## Contact information

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Please scan the QR code to access additional product information:  
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