

Eg5 (Phospho Thr926) Rabbit pAb

CatalogNo: YP0372

Key Features

Host Species

- Rabbit

Reactivity

- Human,Rat,Mouse,

Applications

- WB,IHC,IF,ELISA

MW

- 119kD (Observed)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-1:2000**ELISA 1:5000****IF 1:50-200**

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.

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

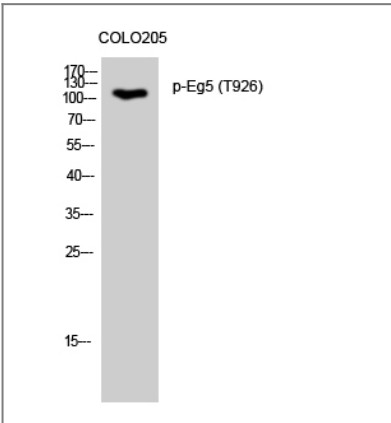
Specificity

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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

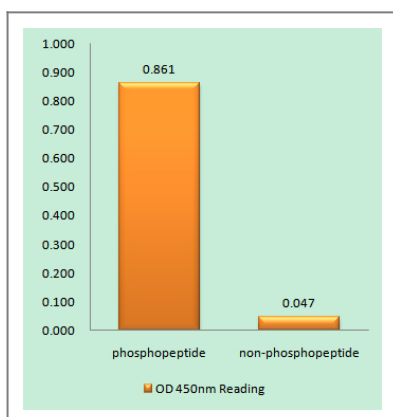
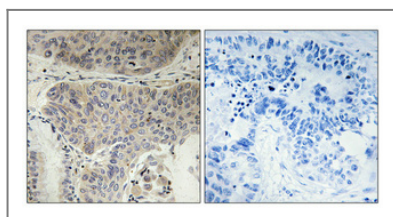
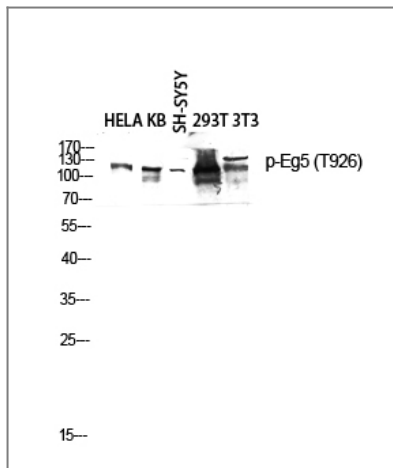
Target Information

Gene name	KIF11		
Protein Name	Kinesin-like protein KIF11		
	Organism	Gene ID	UniProt ID
	Human	3832 ;	P52732 ;
	Mouse		Q6P9P6 ;
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 monoastral 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,Inventbiotech,MN,USA).



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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