

Product Name: Eg5 (phospho Thr926) Rabbit Polyclonal Antibody
Catalog #: APRab04575

Summary

Production Name	Eg5 (phospho Thr926) Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	KIF11
Alternative Names	KIF11; EG5; KNSL1; TRIP5; Kinesin-like protein KIF11; Kinesin-like protein 1; Kinesin-like spindle protein HKSP; Kinesin-related motor protein Eg5; Thyroid receptor-interacting protein 5; TR-interacting protein 5; TRIP-5
Gene ID	3832.0
SwissProt ID	P52732.The antiserum was produced against synthesized peptide derived from human KIF11/Eg5 around the phosphorylation site of Thr926. AA range:892-941

Application

Dilution Ratio	WB 1:500-1:2000, ELISA 1:5000, IF-P/IF-F/ICC/IF 1:50-200
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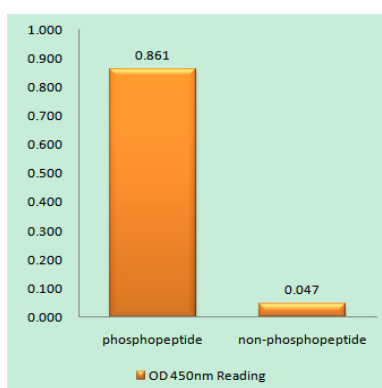
Molecular Weight 119kDa

Background

kinesin family member 11(KIF11) Homo sapiens This gene encodes a motor protein that belongs to the kinesin-like protein family. Members of this protein family are known to be involved in various kinds of spindle dynamics. The function of this gene product includes chromosome positioning, centrosome separation and establishing a bipolar spindle during cell mitosis. [provided by RefSeq, Jul 2008],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.,

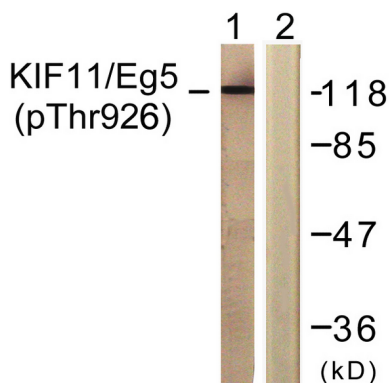
Research Area

Image Data

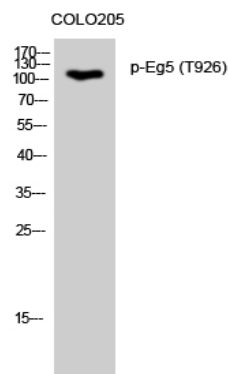


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using KIF11/Eg5 (Phospho-Thr926) Antibody

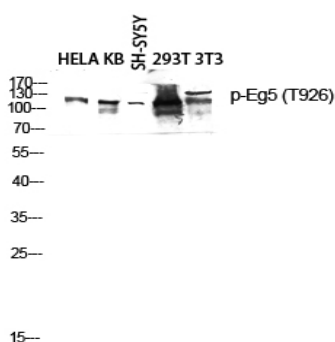
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Western blot analysis of lysates from COLO205 cells, using KIF11/Eg5 (Phospho-Thr926) Antibody. The lane on the right is blocked with the phospho peptide.

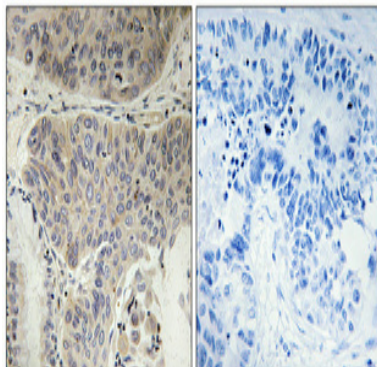


Western Blot analysis of COLO205 cells using Phospho-Eg5 (T926) Polyclonal Antibody diluted at 1: 2000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .



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) .

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

Note

For research use only.