

Eg5 Polyclonal ANTIBODY

Catalog Number: 23333-1-AP

Basic Information

Catalog Number:
23333-1-AP

Size:
35 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen Affinity purified

Immunogen Catalog Number:
AG18695

GenBank Accession Number:
BC136474

GeneID (NCBI):
3832

Full Name:
kinesin family member 11

Calculated MW:
1056aa, 119 kDa

Observed MW:
120-130 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:2000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Species Specificity:

human

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : PC-13 cells; MCF-7 cells, Raji cells, HEK-293 cells, Jurkat cells

IP : Raji cells;

IHC : human lung cancer tissue; human prostate hyperplasia tissue

Background Information

Eg5 is a plus-end-directed microtubule motor encoded by KIF11 gene. It is an essential mitotic kinesin that plays a pivotal role in the formation and maintenance of bipolar spindle during early prometaphase. Eg5 has been implicated in tumorigenesis, and its overexpression has been found in various cancer tissues.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|-----------|-----------|----------|-------------|
| Eri Saeki | 30557316 | PLoS One | WB |

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

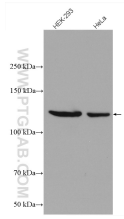
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

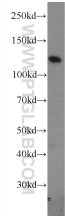
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

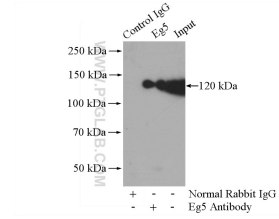
Selected Validation Data



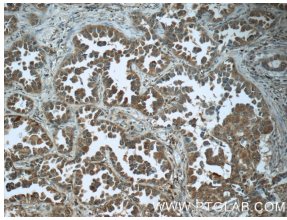
Various lysates were subjected to SDS PAGE followed by western blot with 23333-1-AP (Eg5 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours



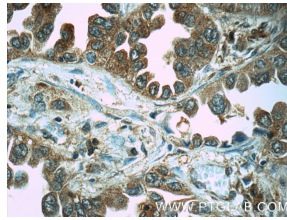
PC-13 cells were subjected to SDS PAGE followed by western blot with 23333-1-AP (Eg5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



IP Result of anti-Eg5 (IP:23333-1-AP, 4 μ g, Detection:23333-1-AP 1:1000) with Raji cells lysate 2000 μ g.



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 23333-1-AP (Eg5 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 23333-1-AP (Eg5 antibody) at dilution of 1:50 (under 40x lens)