## Anti-EG5 (pT926) Antibody <br> Rabbit polyclonal antibody to EG5 (pT926) <br> Catalog \# AP60331

## Specification

## Anti-EG5 (pT926) Antibody - Product Information

Application<br>Primary Accession<br>Reactivity<br>Host<br>Clonality<br>Calculated MW

WB, IH, IF
P52732
Human, Mouse, Rat
Rabbit
Polyclonal
119159

## Anti-EG5 (pT926) Antibody - Additional Information

Gene ID 3832

## Other Names

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

## Target/Specificity

Recognizes endogenous levels of EG5 (pT926) protein.

## Dilution

WB~~WB (1/500-1/1000), IH (1/100-1/200), IF/IC (1/100-1/500)
IH~~WB (1/500-1/1000), IH (1/100-1/200), IF/IC (1/100-1/500)
IF~~WB (1/500-1/1000), IH (1/100-1/200), IF/IC (1/100-1/500)

## Format

Liquid in 0.42\% Potassium phosphate, $0.87 \%$ Sodium chloride, pH 7.3, 30\% glycerol, and 0.09\% (W/V) sodium azide.

## Storage

Store at $-20^{\circ} \mathrm{C}$.Stable for 12 months from date of receipt

## Anti-EG5 (pT926) Antibody - Protein Information

## Name KIF11

Synonyms EG5, KNSL1, TRIP5

## Function

Motor protein required for establishing a bipolar spindle and thus contributing to chromosome congression during mitosis (PubMed:<a href="http://www.uniprot.org/citations/19001501" target="_blank">19001501</a>, PubMed:<a href="http://www.uniprot.org/citations/37728657" target="_blank">37728657</a>). Required in non-mitotic cells for transport of secretory proteins
from the Golgi complex to the cell surface (PubMed:<a
href="http://www.uniprot.org/citations/23857769" target="_blank">23857769</a>).
Cellular Location
Cytoplasm. Cytoplasm, cytoskeleton, spindle pole

## Anti-EG5 (pT926) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-EG5 (pT926) Antibody - Images


Western blot analysis of EG5 (pT926) expression in HEK293T (A), Hela (B), H446 (C), mouse kidney (D), mouse testis (E), rat testis (F) whole cell lysates.


Immunohistochemical analysis of EG5 (pT926) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen
retrieval with sodium citrate buffer ( pH 6.0 ). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.


Immunofluorescent analysis of EG5 (pT926) staining in HepG2 cells. Formalin-fixed cells were permeabilized with $0.1 \%$ Triton X-100 in TBS for 5-10 minutes and blocked with 3\% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3\% BSA-PBS and incubated overnight at $4{ }^{\circ} \mathrm{C}$ in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

## Anti-EG5 (pT926) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human EG5 (pT926). The exact sequence is proprietary.

