



Rabbit Anti-phospho-Eg5 (Thr926) antibody

SL8179R

Product Name:	phospho-Eg5 (Thr926)
Chinese Name:	磷酸化驱动蛋白样蛋白1抗体
Alias:	Eg5 (phospho T926); KIF11(phospho T926); TRIP5(phospho T926); p-Eg5(Thr926); p-KIF11(Thr926); p-TRIP5(Thr926); HKSP; KIF11; kinesin family member 11; Kinesin like protein 1; Kinesin like spindle protein HKSP; KNSL1; Thyroid receptor interacting protein 5; TRIP5; KIF11 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Chicken,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	120kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from human Eg5 around the phosphorylation site of Thr926:GT(p-T)PQ
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Eg5 is a motor protein that belongs to the kinesin-like 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.

Function:

Motor protein required for establishing a bipolar spindle. Blocking of KIF11 prevents centrosome migration and arrest cells in mitosis with monoastral microtubule arrays.

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. Interacts (via C-terminus) with the kinase NEK6 in both interphase and mitosis.

Subcellular Location:

Cytoplasm. Cytoplasm, cytoskeleton, spindle pole.

Post-translational modifications:

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.

A subset of this protein primarily localized at the spindle pole is phosphorylated by NEK6 during mitosis; phosphorylation is required for mitotic function.

Similarity:

Belongs to the kinesin-like protein family. BimC subfamily. Contains 1 kinesin-motor domain.

SWISS:

P52732

Gene ID:

3832

Database links:

[Entrez Gene: 3832](#)Human

[Omim: 148760](#)Human

[SwissProt: P52732](#)Human

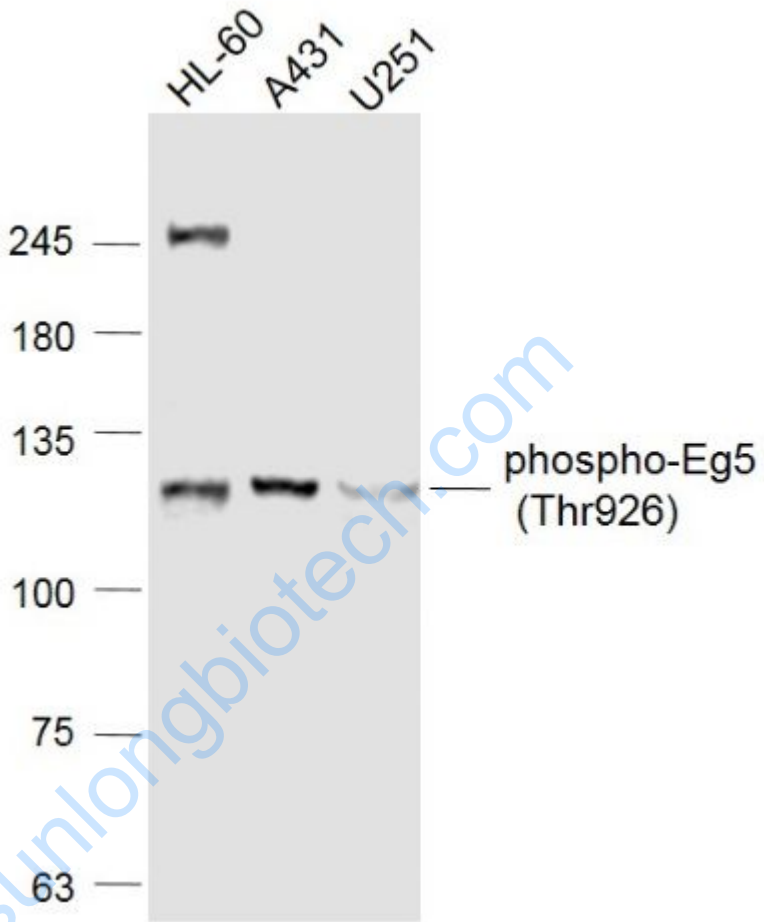
[Unigene: 8878](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human,

therapeutic or diagnostic applications.

Picture:



Sample:

HL-60(Human) Cell Lysate at 30 ug

A431(Human) Cell Lysate at 30 ug

U251(Human) Cell Lysate at 30 ug

Primary: Anti-phospho-Eg5 (Thr926) (SL8179R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 120 kD

	Observed band size: 120 kD
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