

For Research Use Only

KIF23 Polyclonal antibody

Catalog Number: 28587-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

28587-1-AP

Size:

150ul, Concentration: 850 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29346

GenBank Accession Number:

NM_138555

GeneID (NCBI):

9493

UNIPROT ID:

Q02241

Full Name:

kinesin family member 23

Calculated MW:

110 kDa

Observed MW:

110 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human

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

Positive Controls:

WB : HeLa cells, U-87 MG cells

IHC : human stomach cancer tissue, human liver cancer tissue

IF/ICC : HepG2 cells,

Background Information

KIF23, also known as KNSL5 and MKLP1, is a member of the kinesin-like protein family. It plays a crucial role in cytokinesis, the final stage of cell division. It is involved in the formation of the central spindle, which is essential for the proper separation of the cytoplasm and the formation of the cleavage furrow. KIF23 is also involved in the organization and transport of intracellular vesicles and organelles. Mutations in KIF23 have been associated with congenital dyserythropoietic anemia type III (PMID: 23570799).

Notable Publications

Author	Pubmed ID	Journal	Application
Mei-Ling Dong	35784274	Front Immunol	WB
Umut Batman	35849559	PLoS Biol	IF
Xin He	34933054	Toxicol Appl Pharmacol	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

*** 20ul sizes contain 0.1% BSA

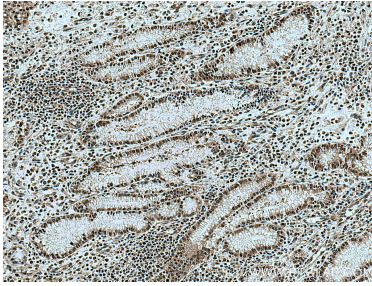
For technical support and original validation data for this product please contact:

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

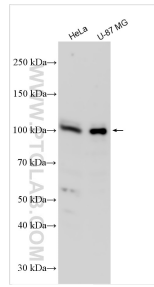
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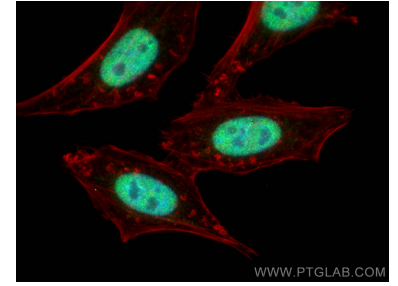
Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 28587-1-AP (KIF23 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 28587-1-AP (KIF23 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using KIF23 antibody (28587-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).