

For Research Use Only

WAPL; WAPAL Polyclonal antibody

Catalog Number: 16370-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number: 16370-1-AP	GenBank Accession Number: BC017393	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 µg/ml by Nanodrop;	GeneID (NCBI): 23063	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: wings apart-like homolog (Drosophila)	
Isotype: IgG	Calculated MW: 142 kDa	
Immunogen Catalog Number: AG9280	Observed MW: 160-180 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
ChIP, IF, WB

Species Specificity:
human, mouse

Cited Species:
human, rat, mouse

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 : HEK-293T cells, HeLa cells, HepG2 cells, Jurkat cells

IHC : mouse skeletal muscle tissue,

Background Information

The wings apart-like (WAPL, or WAPAL) protein was originally identified as a gene product that potentially regulates heterochromatin organization in *Drosophila melanogaster*. Human WAPL is a cohesin-binding protein that promotes sister-chromatid resolution in mitotic prophase. Overexpression of WAPL disturbs mitosis and cytokinesis, and contributes to tumor progression by induction of chromosomal instability. WAPAL has a predicted molecular weight of 140 kDa, however, as a result of its extensive phosphorylation it separates on a SDS gel as a band of approximately 160-180 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Yaping Sun	36043052	iScience	WB
Tom van Schaik	36050765	Genome Biol	WB
Shu Zhang	34678064	Sci Adv	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

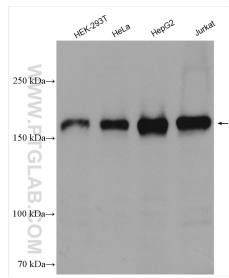
For technical support and original validation data for this product please contact:

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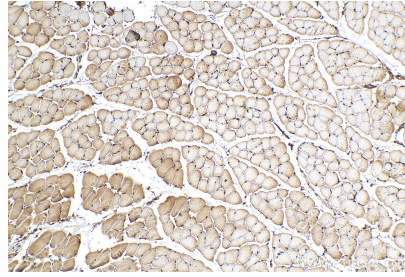
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16370-1-AP (WAPL; WAPAL antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 16370-1-AP (WAPL; WAPAL antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).