WAPL; WAPAL Polyclonal antibody
Catalog Number: 16370-1-AP

Basic Information
Catalog Number: 16370-1-AP
Size: 150μL, Concentration: 300 μg/ml by Bradford method using BSA as the standard.
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG9280
GenBank Accession Number: BC017393
GenetID (NCBI): 23063
Full Name: wings apart-like homolog (Drosophila)
Calculated MW: 142 kDa
Observed MW: 160-180 kDa
Purification Method: Antigen affinity purification
Recommended Dilutions: WB 1:500-1:1000

Applications
Tested Applications: WB, ELISA
Cited Applications: ChIP, IF, WB
Species Specificity: human, mouse
Cited Species: human, mouse
Positive Controls:
WB: HEK-293T cells, Jurkat cells

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
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<th>Author</th>
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<tbody>
<tr>
<td>Miguel A Brieño-Enríquez</td>
<td>27760328</td>
<td>Cell Rep</td>
<td>WB, IF</td>
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<tr>
<td>Masashi Minamino</td>
<td>26051894</td>
<td>Curr Biol</td>
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<tr>
<td>Ning Qing Liu</td>
<td>33318687</td>
<td>Nat Genet</td>
<td>WB, ChIP</td>
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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.
Various lysates were subjected to SDS PAGE followed by western blot with 16370-1-AP (WAPL; WAPAL antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.