

# HIP2 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)  
Catalog # AP2114c

## Product Information

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<b>Application</b>	WB, IF, IHC-P, E
<b>Primary Accession</b>	<a href="#">P61086</a>
<b>Other Accession</b>	<a href="#">P61087</a> , <a href="#">P61085</a> , <a href="#">NP_005330</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Bovine, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Antigen Region</b>	109-139

## Additional Information

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<b>Other Names</b>	Ubiquitin-conjugating enzyme E2 K, Huntingtin-interacting protein 2, HIP-2, Ubiquitin carrier protein, Ubiquitin-conjugating enzyme E2-25 kDa, Ubiquitin-conjugating enzyme E2(25K), Ubiquitin-conjugating enzyme E2-25K, Ubiquitin-protein ligase, UBE2K, HIP2, LIG
<b>Target/Specificity</b>	This HIP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 109-139 amino acids from the Central region of human HIP2.
<b>Dilution</b>	WB~~1:1000 IF~~1:10~50 IHC-P~~1:100 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	HIP2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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HIP2 belongs to the ubiquitin-conjugating enzyme family. It binds selectively to a large region at the N terminus of huntingtin. This interaction is not influenced by the length of the huntingtin polyglutamine tract.

This protein has been implicated in the degradation of huntingtin and suppression of apoptosis.

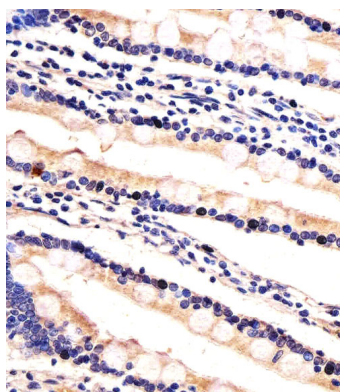
## References

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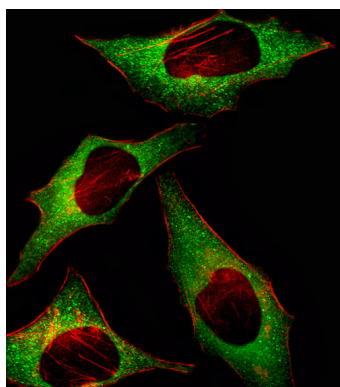
- Furukawa, Y., et al., *Electrophoresis* 21(2):338-346 (2000).  
Kikuchi, J., et al., *Arterioscler. Thromb. Vasc. Biol.* 20(1):128-134 (2000).  
Petersen, A., et al., *Exp. Neurol.* 157(1):1-18 (1999).  
Kalchman, M.A., et al., *J. Biol. Chem.* 271(32):19385-19394 (1996).

## Images

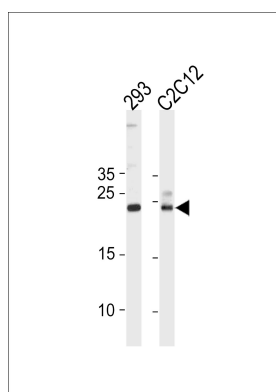
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Immunohistochemical analysis of paraffin-embedded H. small intestine section using HIP2 Antibody (Center)(Cat#AP2114c). AP2114c was diluted at 1:100 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.



Fluorescent image of HeLa cell stained with HIP2 Antibody (Center)(Cat#AP2114c/SH030911H). HeLa cells were fixed with 4% PFA (20 min), permeabilized with Triton X-100 (0.1%, 10 min), then incubated with HIP2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37°C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7units/ml, 1 h at 37°C). HIP2 immunoreactivity is localized to Cytoplasm significantly.



HIP2 Antibody (D124) (Cat. #AP2114c) western blot analysis in 293, mouse C2C12 cell line lysates (35ug/lane). This demonstrates the HIP2 antibody detected the HIP2 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.