

**AIP Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP14600b****Specification**

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**AIP Antibody (C-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O00170</a>
Other Accession	<a href="#">Q5FWY5</a> , <a href="#">Q7YRC1</a> , <a href="#">NP_003968.2</a>
Reactivity	Human
Predicted	Bovine, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	293-321

**AIP Antibody (C-term) - Additional Information****Gene ID** 9049**Other Names**

AH receptor-interacting protein, AIP, Aryl-hydrocarbon receptor-interacting protein, HBV X-associated protein 2, XAP-2, Immunophilin homolog ARA9, AIP, XAP2

**Target/Specificity**

This AIP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-321 amino acids from the C-terminal region of human AIP.

**Dilution**

WB~~1:1000  
IHC-P~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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.

**Precautions**

AIP Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AIP Antibody (C-term) - Protein Information****Name** AIP

**Synonyms** XAP2

**Function** May play a positive role in AHR-mediated (aromatic hydrocarbon receptor) signaling, possibly by influencing its receptivity for ligand and/or its nuclear targeting.

**Cellular Location**

Cytoplasm.

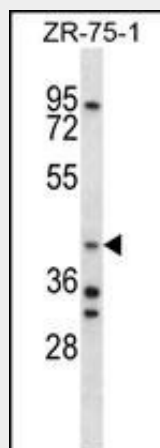
**Tissue Location**

Widely expressed. Higher levels seen in the heart, placenta and skeletal muscle. Not expressed in the liver

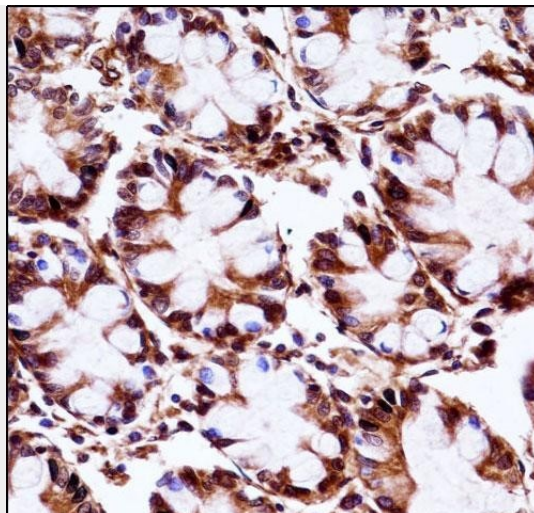
**AIP Antibody (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AIP Antibody (C-term) - Images**

AIP Antibody (C-term) (Cat. #AP14600b) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the AIP antibody detected the AIP protein (arrow).



AIP Antibody (C-term) (AP14600b) immunohistochemistry analysis in formalin fixed and paraffin embedded human rectum tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of AIP Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **AIP Antibody (C-term) - Background**

The protein encoded by this gene is a receptor for aryl hydrocarbons and a ligand-activated transcription factor. The encoded protein is found in the cytoplasm as part of a multiprotein complex, but upon binding of ligand is transported to the nucleus. This protein can regulate the expression of many xenobiotic metabolizing enzymes. Also, the encoded protein can bind specifically to and inhibit the activity of hepatitis B virus.

#### **AIP Antibody (C-term) - References**

Daly, A.F., et al. J. Clin. Endocrinol. Metab. 95 (11), E373-E383 (2010) :  
Stratakis, C.A., et al. Clin. Genet. 78(5):457-463(2010)  
Occhi, G., et al. Eur. J. Endocrinol. 163(3):369-376(2010)  
Igreja, S., et al. Hum. Mutat. 31(8):950-960(2010)  
Jugessur, A., et al. PLoS ONE 5 (7), E11493 (2010) :