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AIP Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14600b

Product Information

Application	WB, IHC-P, E
Primary Accession	O00170
Other Accession	Q5FWY5, Q7YRC1, NP_003968.2
Reactivity	Human
Predicted	Rat, Bovine, Mouse, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34588
Calculated MW	37664
Antigen Region	293-321

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~~1:100~500 E~~Use at an assay dependent concentration.
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.

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

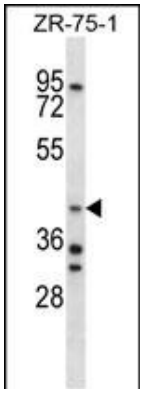
Background

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.

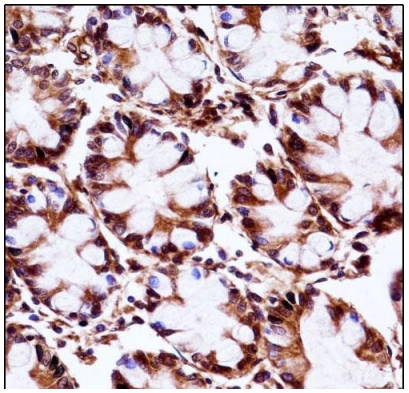
References

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) :

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.

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