

**Goat Anti-AIP / ARA9 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1040a

### Specification

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#### Goat Anti-AIP / ARA9 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">O00170</a>
Other Accession	<a href="#">NP_003968</a> , <a href="#">9049</a> , <a href="#">11632 (mouse)</a> , <a href="#">282827 (rat)</a>
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	37664

#### Goat Anti-AIP / ARA9 Antibody - 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

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-AIP / ARA9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-AIP / ARA9 Antibody - 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

### Goat Anti-AIP / ARA9 Antibody - Protocols

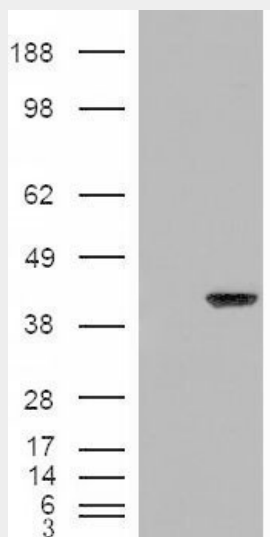
Provided below are standard protocols that you may find useful for product applications.

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

### Goat Anti-AIP / ARA9 Antibody - Images



AF1040a (0.02  $\mu$ g/ml) staining of NIH/3T3 cell lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing ARA9 (RC211157) and probed with AF1040a (mock transfection in first lane), tested by Origene.

### **Goat Anti-AIP / ARA9 Antibody - 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.

### **Goat Anti-AIP / ARA9 Antibody - References**

Clinical Characteristics and Therapeutic Responses in Patients with Germ-Line AIP Mutations and Pituitary Adenomas: An International Collaborative Study. Daly AF, et al. J Clin Endocrinol Metab, 2010 Aug 4. PMID 20685857.

Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.

Prevalence of AIP mutations in a large series of sporadic Italian acromegalic patients and evaluation of CDKN1B status in acromegalic patients with multiple endocrine neoplasia. Occhi G, et al. Eur J Endocrinol, 2010 Sep. PMID 20530095.

The role of germline AIP, MEN1, PRKAR1A, CDKN1B and CDKN2C mutations in causing pituitary adenomas in a large cohort of children, adolescents, and patients with genetic syndromes. Stratakis CA, et al. Clin Genet, 2010 Feb 23. PMID 20507346.

Neuroprotection against hypoxic-ischemic brain injury by inhibiting the apoptotic protease activating factor-1 pathway. Gao Y, et al. Stroke, 2010 Jan. PMID 19910549.