

## Product datasheet for **CF505031**

### **ARA9 (AIP) Mouse Monoclonal Antibody [Clone ID: OTI1B6]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1B6
<b>Applications:</b>	FC, WB
<b>Recommended Dilution:</b>	WB 1:2000, FLOW 1:100
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human AIP(NP_003968) produced in HEK293T cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Predicted Protein Size:</b>	37.5 kDa
<b>Gene Name:</b>	aryl hydrocarbon receptor interacting protein
<b>Database Link:</b>	<a href="#">NP_003968</a> <a href="#">Entrez Gene 11632 Mouse</a> <a href="#">Entrez Gene 282827 Rat</a> <a href="#">Entrez Gene 9049 Human</a> <a href="#">O00170</a>



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**Background:**

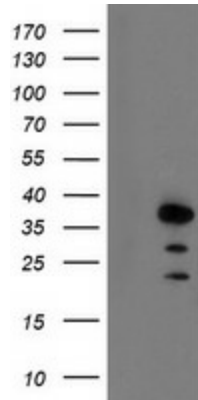
The protein encoded by this gene is a receptor for aryl hydrocarbons and a ligand-activated transcription factor. The encoded protein is found in the cytoplasm as part of a multiprotein complex, but upon binding of ligand is transported to the nucleus. This protein can regulate the expression of many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

**Synonyms:**

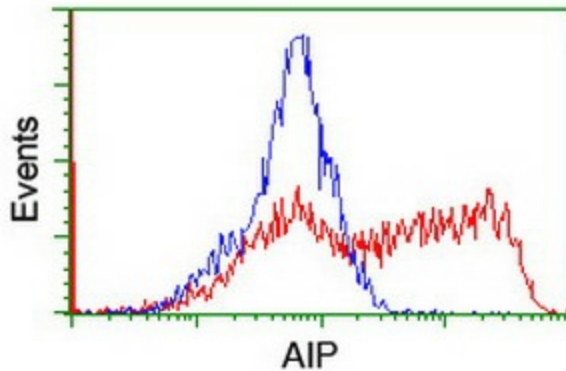
ARA9; FKBP16; FKBP37; SMTPHN; XAP-2; XAP2

**Protein Families:**

Druggable Genome, Transcription Factors

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY AIP (Cat# [RC211157], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AIP (Cat# [TA505031]). Positive lysates [LY401308] (100ug) and [LC401308] (20ug) can be purchased separately from OriGene.



HEK293T cells transfected with either [RC211157] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-AIP antibody ([TA505031]), and then analyzed by flow cytometry.