

### **Anti-ARA9 Picoband Antibody**

**Catalog # ABO11763** 

## **Specification**

# **Anti-ARA9 Picoband Antibody - Product Information**

Application WB
Primary Accession O00170
Host Reactivity Human
Clonality Polyclonal
Format Lyophilized

**Description** 

Rabbit IgG polyclonal antibody for AH receptor-interacting protein(AIP) detection. Tested with WB in Human.

### Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

## **Anti-ARA9 Picoband 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

### Calculated MW 37636 MW KDa

### **Application Details**

Western blot, 0.1-0.5 μg/ml, Human<br>

### **Subcellular Localization**

Cytoplasm.

## **Tissue Specificity**

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

#### **Protein Name**

AH receptor-interacting protein

# Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

#### **Immunogen**

E.coli-derived human ARA9 recombinant protein (Position: D91-H330). Human ARA9 shares 95% amino acid (aa) sequence identity with both mouse and rat ARA9.





**Purification** 

Immunogen affinity purified.

**Cross Reactivity** 

No cross reactivity with other proteins

Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Sequence Similarities** 

Contains 1 PPlase FKBP-type domain.

## **Anti-ARA9 Picoband 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

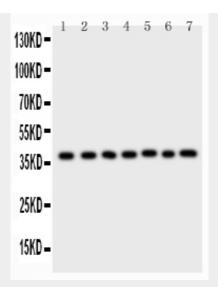
### **Anti-ARA9 Picoband Antibody - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## **Anti-ARA9 Picoband Antibody - Images**





Anti-ARA9 Picoband antibody, ABO11763-1.jpgAll lanes: Anti-ARA9(ABO11763) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: COLO320 Whole Cell Lysate at 40ug Lane 3: HT1080 Whole Cell Lysate at 40ugLane 4: MCF-7 Whole Cell Lysate at 40ugLane 5: SW620 Whole Cell Lysate at 40ugLane 6: U87 Whole Cell Lysate at 40ugLane 7: MM231 Whole Cell Lysate at 40ugPredicted bind size: 38KDObserved bind size: 38KD

## **Anti-ARA9 Picoband Antibody - Background**

AIP, also known as, ARA9 or XAP-2, is a protein that in humans is encoded by the AIP gene. This gene is mapped to 11q13.2. The encoded protein is found in the cytoplasm as part of a multiprotein complex, but upon binding of ligand is transported to the nucleus. AIP may play a positive role in aryl hydrocarbon receptor-mediated signalling possibly by influencing its receptivity for ligand and/or its nuclear targeting. It has been shown that AIP is the cellular negative regulator of the hepatitis B virus (HBV) X protein. AIP mutations may be the cause of a familial form of acromegaly, familial isolated pituitary adenoma (FIPA).