

Anti-ARA9 Picoband Antibody
Catalog # ABO11763

Specification

Anti-ARA9 Picoband Antibody - Product Information

Application	WB
Primary Accession	O00170
Host	Rabbit
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

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 Na₃.

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 reconstitution, 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.

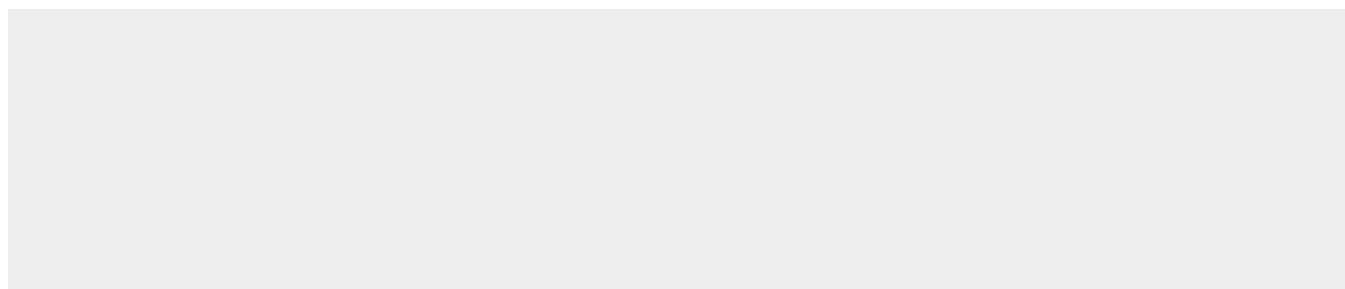
Tissue Location

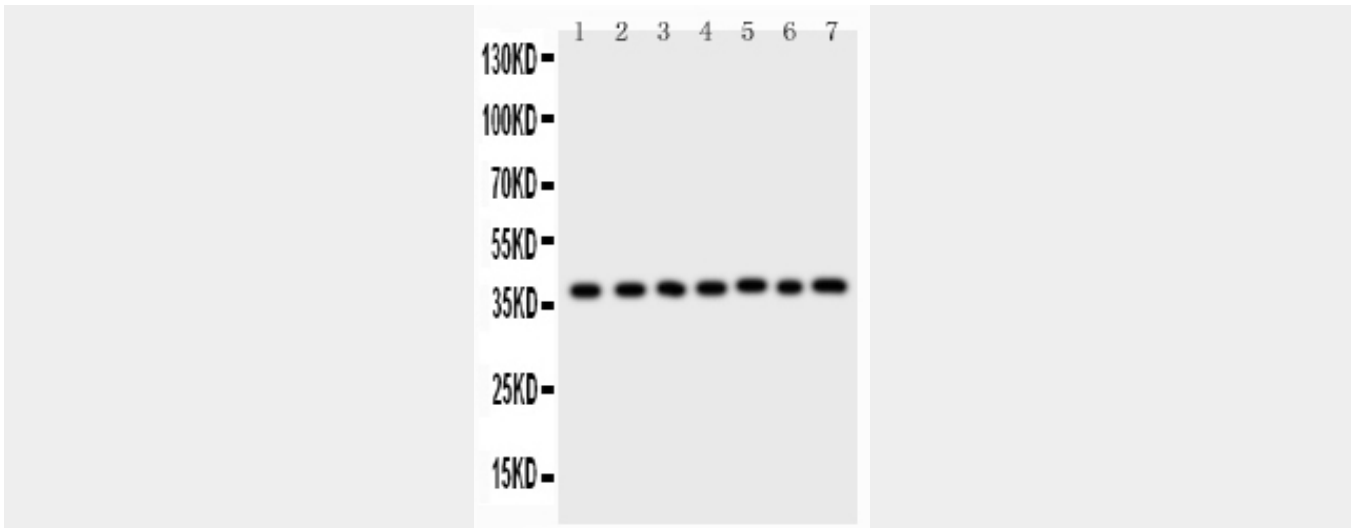
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Anti-ARA9 Picoband Antibody - Protocols

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](#)

Anti-ARA9 Picoband Antibody - Images



Anti-ARA9 Picoband antibody, ABO11763-1.jpg All lanes: Anti-ARA9 (ABO11763) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: COLO320 Whole Cell Lysate at 40ug
Lane 3: HT1080 Whole Cell Lysate at 40ug
Lane 4: MCF-7 Whole Cell Lysate at 40ug
Lane 5: SW620 Whole Cell Lysate at 40ug
Lane 6: U87 Whole Cell Lysate at 40ug
Lane 7: MM231 Whole Cell Lysate at 40ug
Predicted bind size: 38KD
Observed 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).