

Anti-ARA9 Picoband Antibody

Catalog # ABO11763

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.

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	37664
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.
Source	Eukaryota
Protein Name	AH receptor-interacting protein
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.

Contains 1 PPIase FKBP-type domain.

Sequence Similarities

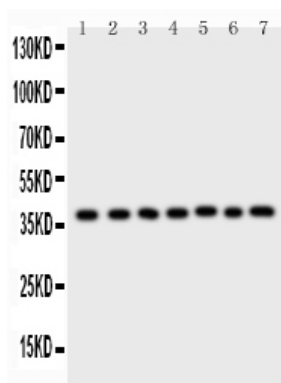
Protein Information

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

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).

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

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