Datasheet for ABIN3043728

anti-AIP antibody (AA 91-330)

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Overview

Quantity:	100 µg
Target:	AIP
Binding Specificity:	AA 91-330
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AIP antibody is un-conjugated
Application:	Western Blotting (WB), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ARA9/AIP Antibody Picoband®
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-ARA9/AIP Antibody Picoband® (ABIN3043728). Tested in Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.

Product Details

Purification:	Immunogen affinity purified.

Target Details

Target:	AIP
Alternative Name:	AIP (AIP Products)
Background:	Synonyms: AH receptor-interacting protein,AIP,Aryl-hydrocarbon receptor-interacting protein,HBV X-associated protein 2,XAP-2,Immunophilin homolog ARA9,AIP,XAP2, Tissue Specificity: 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). Sequence Similarities: Contains 1 PPIase FKBP-type domain.
Molecular Weight:	38 kDa
Gene ID:	9049
UniProt:	O00170

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human Immunocytochemistry/Immunofluorescence, 2 µg/mL, Human Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human1. Carver LA, Bradfield CA (April 1997). "Ligand-dependent interaction of the aryl hydrocarbon receptor with a novel immunophilin homolog in vivo". J. Biol. Chem. 272(17): 11452-6. 2. Kuzhandaivelu, N., Cong, Y.-S., Inouye, C., Yang, W.-M., Seto, E. XAP2, a novel hepatitis B virus X-associated protein that inhibits X transactivation. Nucleic Acids Res. 24: 4741-4750, 1996. 3. Occhi G, Trivellin G, Ceccato F, et al. (2010). "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.". Eur. J. Endocrinol. 163 (3): 369-376.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

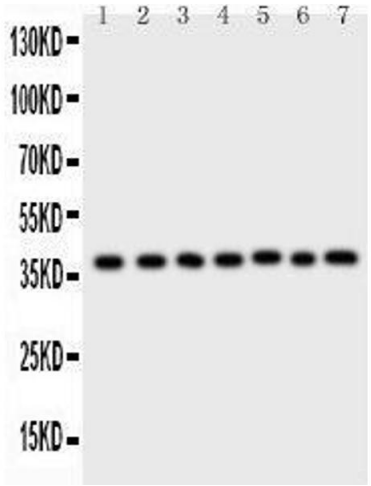
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1.