

Human Aryl Hydrocarbon Receptor Interacting Protein ELISA Kit | AIP elisa kit

Human Aryl Hydrocarbon Receptor Interacting Protein (AIP) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189980

REACTIVITY
Human

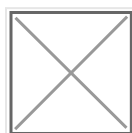
PRODUCT SYNONYMS

Aryl Hydrocarbon Receptor Interacting Protein; Human Aryl Hydrocarbon Receptor Interacting Protein (AIP) (Sandwich ELISA) ELISA Kit; ARA9; XAP2; AH receptor-interacting protein; HBV X-associated protein 2; Immunophilin homolog ARA9; ELISA Kit for Aryl Hydrocarbon Receptor Interacting Protein (AIP); AIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AIP. No significant cross-reactivity or interference between AIP and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.061ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AIP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AIP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AIP elisa kit

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to AIP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to AIP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AIP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of AIP in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AIP in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

Product Categories/Family for AIP elisa kit

[Signal transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	729042247
NCBI GeneID	9049
NCBI Accession #	NP_003968.3
NCBI GenBank Nucleotide #	NM_003977.3
UniProt Accession #	O00170; Q2M3Q2; Q99606; A0SZW3; A0SZW4; A0SZW5; A0SZW6
Molecular Weight	37,636 Da
NCBI Official Full Name	AH receptor-interacting protein isoform 1
NCBI Official Synonym Full Names	aryl hydrocarbon receptor interacting protein
NCBI Official Symbol	AIP
NCBI Official Synonym Symbols	ARA9; XAP2; XAP-2; FKBP16; FKBP37; SMTPHN
NCBI Protein Information	AH receptor-interacting protein; HBV X-associated protein 2; immunophilin homolog ARA9
UniProt Protein Name	AH receptor-interacting protein
UniProt Gene Name	AIP
UniProt Synonym Gene Names	XAP2; AIP; XAP-2
UniProt Entry Name	AIP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/aip-human-elisa-kits/aryl-hydrocarbon-receptor-interacting-protein/189980>