



Rabbit Anti-ARA9/XAP2 antibody

SL10926R

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| Product Name: | ARA9/XAP2 |
| Chinese Name: | 乙型肝炎病毒X相关蛋白2抗体 |
| Alias: | AH receptor interacting protein; AH receptor-interacting protein; AIP; AIP; AIP_HUMAN; ARA 9; Aryl hydrocarbon receptor interacting protein; Aryl-hydrocarbon receptor-interacting protein; fa03h10; FKBP 16; FKBP 37; FKBP16; FKBP37; HBV X associated protein 2; HBV X associated protein; HBV X-associated protein 2; HBVX associated protein; Immunophilin homolog ARA 9; Immunophilin homolog ARA9; SMTPHN; XAP 2; XAP-2; XAP2. |
| Organism Species: | Rabbit |
| Clonality: | Polyclonal |
| React Species: | Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep, |
| Applications: | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user. |
| Molecular weight: | 38kDa |
| Cellular localization: | cytoplasmic |
| Form: | Lyophilized or Liquid |
| Concentration: | 1mg/ml |
| immunogen: | KLH conjugated synthetic peptide derived from human ARA9:1-100/330 |
| Lsotype: | IgG |
| Purification: | affinity purified by Protein A |
| Storage Buffer: | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| Storage: | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| PubMed: | PubMed |
| Product Detail: | The protein encoded by this gene is a receptor for aryl hydrocarbons and a ligand-activated transcription factor. The encoded protein is found in the cytoplasm as part of a |

multiprotein complex, but upon binding of ligand is transported to the nucleus. This protein can regulate the expression of many xenobiotic metabolizing enzymes. Also, the encoded protein can bind specifically to and inhibit the activity of hepatitis B virus. [provided by RefSeq, Sep 2008]

Function:

signaling, possibly by influencing its receptivity for ligand and/or its nuclear targeting. Cellular negative regulator of the hepatitis B virus (HBV) X protein. May play a positive role in AHR-mediated (aromatic hydrocarbon receptor)

Subunit:

Interacts with RET in the pituitary gland; this interaction prevents the formation of the AIP-survivin complex.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

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

DISEASE:

Defects in AIP are a cause of familial isolated pituitary adenoma (FIPA) [MIM:102200]. Defects in AIP are a cause of growth hormone-secreting pituitary adenoma (GHSPA) [MIM:102200]; also known as familial isolated somatotropinomas (FIS) or isolated familial somatotropinoma (IFS) or familial somatotrophinoma or acromegaly due to pituitary adenoma.

Defects in AIP are a cause of ACTH-secreting pituitary adenoma (ASPA) [MIM:219090]; also known as pituitary Cushing disease. A pituitary adenoma resulting in excessive production of adrenocorticotrophic hormone. This leads to hypersecretion of cortisol by the adrenal glands and ACTH-dependent Cushing syndrome. Clinical manifestations of Cushing syndrome include facial and trunkal obesity, abdominal striae, muscular weakness, osteoporosis, arterial hypertension, diabetes.

Defects in AIP are a cause of prolactin-secreting pituitary adenoma (PSPA) [MIM:600634]; also known as prolactinoma. Prolactin-secreting pituitary adenoma is the most common type of hormonally active pituitary adenoma.

Similarity:

Contains 1 PPIase FKBP-type domain.
Contains 2 TPR repeats.

SWISS:

O00170

Gene ID:

9049

Database links:

[Entrez Gene: 9049](#)Human

[Entrez Gene: 11632](#)Mouse

[Entrez Gene: 282827](#)Rat

[Entrez Gene: 360190](#)Cow

[Entrez Gene: 610467](#)Dog

[Omim: 605555](#)Human

[SwissProt: Q7YRC1](#)Cow

[SwissProt: O00170](#)Human

[SwissProt: O08915](#)Mouse

[SwissProt: Q5FWY5](#)Rat

[Unigene: 20864](#)Dog

[Unigene: 412433](#)Human

[Unigene: 10433](#)Mouse

[Unigene: 95160](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.