

ARSI Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9921b

Product Information

Application	WB, FC, E
Primary Accession	Q5FYB1
Other Accession	Q32KI9
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB25363
Calculated MW	64030
Antigen Region	454-483

Additional Information

Gene ID	340075
Other Names	Arylsulfatase I, ASI, 316-, ARSI
Target/Specificity	This ARSI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 454-483 amino acids from the C-terminal region of human ARSI.
Dilution	WB~~1:1000 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ARSI Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ARSI
Function	Displays arylsulfatase activity at neutral pH, when co- expressed with SUMF1; arylsulfatase activity is measured in the secretion medium of retinal cell line, but no activity is recorded when measured in cell extracts

(PubMed:[19262745](#)). Lacks arylsulfatase activity (PubMed:[16500042](#)).

Cellular Location

Secreted. Endoplasmic reticulum. Note=Localized in the intracellular granular structures

Tissue Location

Expressed in placenta, in embryonic stem cells, fetal eyes and lens.

Background

Sulfatases (EC 3.1.5.6), such as ARSI, hydrolyze sulfate esters from sulfated steroids, carbohydrates, proteoglycans, and glycolipids. They are involved in hormone biosynthesis, modulation of cell signaling, and degradation of macromolecules

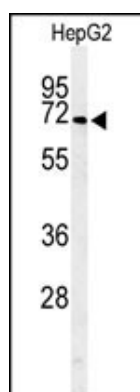
References

Oshikawa, M., et al. Mol. Vis. 15, 482-494 (2009)

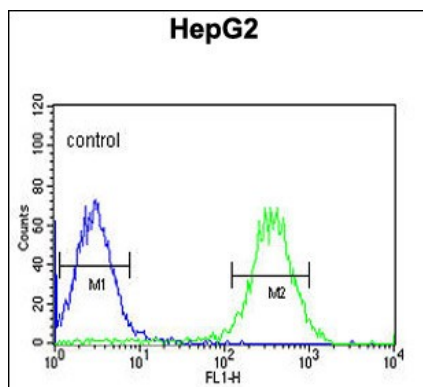
Obaya, A.J. Gene 372, 110-117 (2006)

Sardiello, M., et al. Hum. Mol. Genet. 14(21):3203-3217(2005)

Images



Western blot analysis of ARSI Antibody (C-term) (Cat. #AP9921b) in HepG2 cell line lysates (35ug/lane). ARSI (arrow) was detected using the purified Pab.



ARSI Antibody (C-term) (Cat. #AP9921b) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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