10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AKR7L Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21480c

Product Information

Application	WB, E
Primary Accession	Q8NHP1
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB53760
Calculated MW	36970

Additional Information

Gene ID	246181
Other Names	Aflatoxin B1 aldehyde reductase member 4, 1---, AFB1 aldehyde reductase 3, AFB1-AR 3, Aldoketoreductase 7-like, AKR7L, AFAR3, AKR7A4
Target/Specificity	This AKR7L antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 207-237 amino acids from the Central region of human AKR7L.
Dilution	WB~~1:1000 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	AKR7L Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AKR7L
Synonyms	AFAR3 {ECO:0000303|PubMed:12879023}, AKR
Function	Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen (By

similarity).

Tissue Location Mainly expressed in uterus.

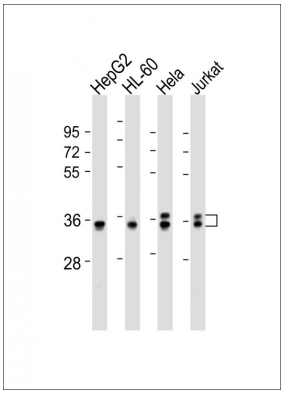
Background

Can reduce the dialdehyde protein-binding form of aflatoxin B1 (AFB1) to the non-binding AFB1 dialcohol. May be involved in protection of liver against the toxic and carcinogenic effects of AFB1, a potent hepatocarcinogen (By similarity).

References

Gregory S.G.,et al.Nature 441:315-321(2006).
Praml C.,et al.Oncogene 22:4765-4773(2003).

Images



All lanes : Anti-AKR7L Antibody (Center) at 1:2000 dilution Lane 1: HepG2 whole cell lysates Lane 2: HL-60 whole cell lysates Lane 3: Hela whole cell lysates Lane 4: Jurkat whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDM/TBST.