

**AKR7L Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21480c**

**Specification**

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**AKR7L Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">Q8NHP1</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	36970
Antigen Region	207-237

**AKR7L Antibody (Center) - 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

**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.

**AKR7L Antibody (Center) - 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**

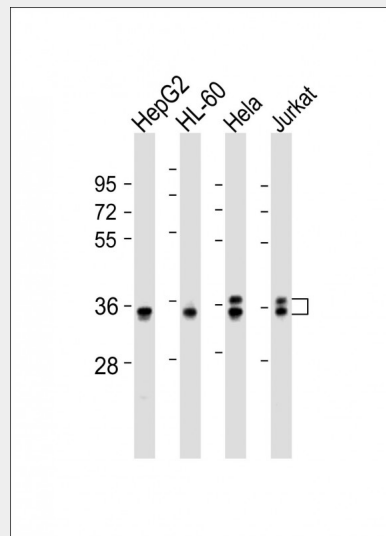
Mainly expressed in uterus.

**AKR7L Antibody (Center) - Protocols**

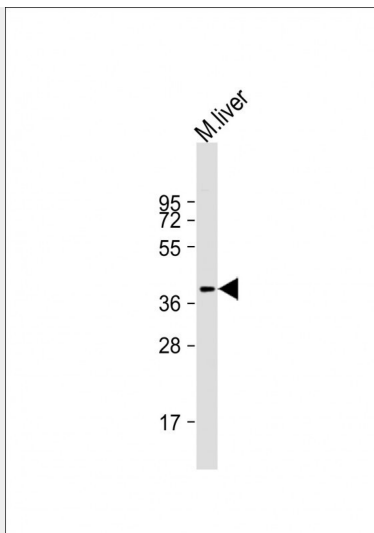
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AKR7L Antibody (Center) - 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.



Anti-AKR7L Antibody (Center) at 1:1000 dilution + mouse liver lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 37 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

#### **AKR7L Antibody (Center) - 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).

#### **AKR7L Antibody (Center) - References**

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