

**AKR7L Antibody (N-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21497a**

**Specification**

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**AKR7L Antibody (N-Term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">Q8NHP1</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	36970
Antigen Region	32-64

**AKR7L Antibody (N-Term) - 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 32-64 amino acids from human AKR7L.

**Dilution**

IF~~1:25

WB~~1:2000

**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 (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AKR7L Antibody (N-Term) - 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**

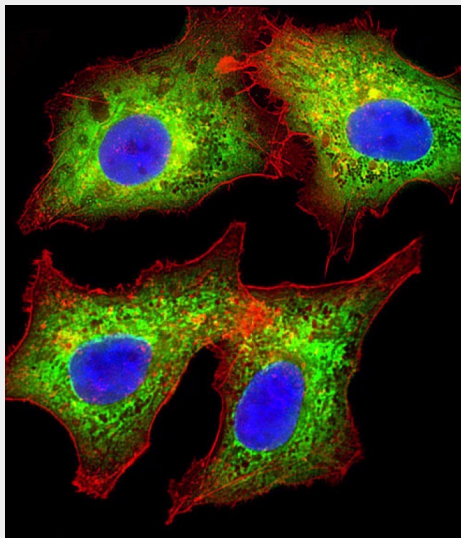
Mainly expressed in uterus.

**AKR7L Antibody (N-Term) - Protocols**

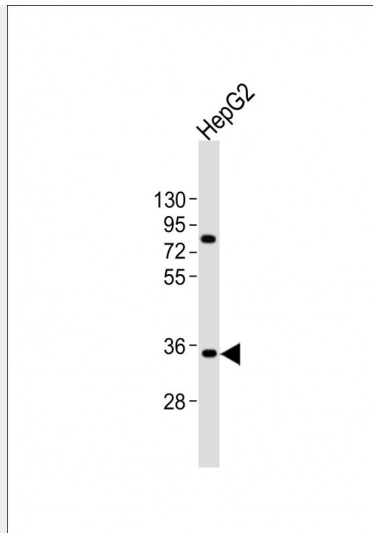
Provided below are standard protocols that you may find useful for product applications.

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

**AKR7L Antibody (N-Term) - Images**



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (human liver hepatocellular carcinoma cell line) cells labeling AKR7L with AP21497a at 1/25 dilution, followed by Dylight® 488-conjugated goat anti-rabbit IgG (NK179883) secondary antibody at 1/200 dilution (green). Immunofluorescence image showing cytoplasm staining on HepG2 cell line. Cytoplasmic actin is detected with Dylight® 554 Phalloidin (PD18466410) at 1/100 dilution (red). The nuclear counter stain is DAPI (blue).



Anti-AKR7L Antibody (N-Term) at 1:2000 dilution + HepG2 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% NFD/MTBST.

#### **AKR7L Antibody (N-Term) - 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 (N-Term) - References**

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