

**AKR7A3 Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21988c**

**Specification**

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**AKR7A3 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O95154</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	37206

**AKR7A3 Antibody (Center) - Additional Information**

**Gene ID** 22977

**Other Names**

Aflatoxin B1 aldehyde reductase member 3, 1.-.-., AFB1 aldehyde reductase 2, AFB1-AR 2, AKR7A3, AFAR2

**Target/Specificity**

This AKR7A3 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 187-217 amino acids from the Central region of human AKR7A3.

**Dilution**

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**

AKR7A3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**AKR7A3 Antibody (Center) - Protein Information**

**Name** AKR7A3

**Synonyms** AFAR2

**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.

#### Cellular Location

Cytoplasm.

#### Tissue Location

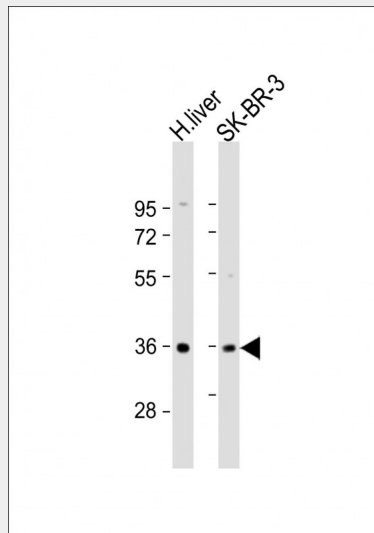
Expressed in colon, kidney, liver, pancreas, adenocarcinoma and endometrium.

### AKR7A3 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](#)

### AKR7A3 Antibody (Center) - Images



All lanes : Anti-AKR7A3 Antibody (Center) at 1:2000 dilution Lane 1: human liver lysate Lane 2: SK-BR-3 whole cell lysate 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.

### AKR7A3 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.

### AKR7A3 Antibody (Center) - References

Knight L.P.,et al.Carcinogenesis 20:1215-1223(1999).  
Prablanc C.,et al.Oncogene 22:4765-4773(2003).  
Gregory S.G.,et al.Nature 441:315-321(2006).  
Bodreddigari S.,et al.Chem. Res. Toxicol. 21:1134-1142(2008).