

**AKR7A3 antibody - middle region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI13690**

**Specification**

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**AKR7A3 antibody - middle region - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O95154</a>
Other Accession	<a href="#">NM_012067</a> , <a href="#">NP_036199</a>
Reactivity	<b>Human, Mouse, Rat, Horse, Bovine, Guinea Pig, Dog</b>
Predicted Host	<b>Horse, Bovine, Guinea Pig</b>
Clonality	<b>Rabbit</b>
Calculated MW	<b>Polyclonal</b> <b>37kDa KDa</b>

**AKR7A3 antibody - middle region - Additional Information**

**Gene ID** 22977

**Alias Symbol** **AFAR2**  
**Other Names**  
Aflatoxin B1 aldehyde reductase member 3, 1.-.-., AFB1 aldehyde reductase 2, AFB1-AR 2, AKR7A3, AFAR2

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-AKR7A3 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

AKR7A3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

**AKR7A3 antibody - middle region - 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.

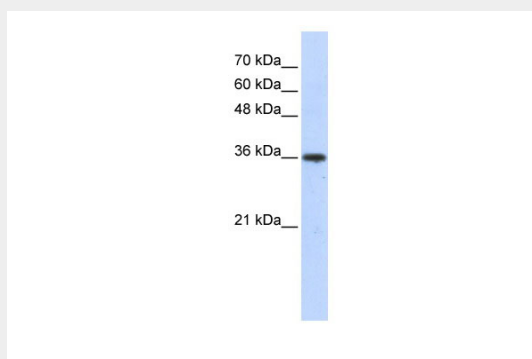
**Tissue Location**

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

**AKR7A3 antibody - middle region - 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 - middle region - Images**

WB Suggested Anti-AKR7A3 Antibody Titration: 0.2-1  $\mu$ g/ml

ELISA Titer: 1:12500

Positive Control: Transfected 293T

**AKR7A3 antibody - middle region - References**

- Knight L.P., et al. *Carcinogenesis* 20:1215-1223(1999).  
Praml 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).