

AKR7A3 Antibody (N-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21993a

Specification

AKR7A3 Antibody (N-Term) - Product Information

Application	WB,E
Primary Accession	O95154
Other Accession	Q8NHPI
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	37206

AKR7A3 Antibody (N-Term) - 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 33-64 amino acids from the human 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 (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

AKR7A3 Antibody (N-Term) - 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

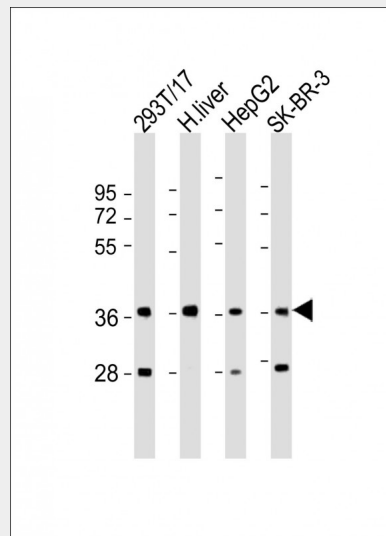
Expressed in colon, kidney, liver, pancreas, adenocarcinoma and endometrium.

AKR7A3 Antibody (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](#)

AKR7A3 Antibody (N-Term) - Images



All lanes : Anti-AKR7A3 Antibody (N-Term) at 1:2000 dilution Lane 1: 293T/17 whole cell lysate Lane 2: human liver lysate Lane 3: HepG2 whole cell lysate Lane 4: 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 (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.

AKR7A3 Antibody (N-Term) - 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).