10320 Camino Santa Fe, Suite G
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AKR1E2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP18721b

Specification

AKR1E2 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q96JD6
Other Accession	Q4R802, NP_001035267.1
Reactivity	**Human**
Predicted	**Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**36589**
Antigen Region	**291-320**

AKR1E2 Antibody (C-term) - Additional Information

Gene ID 83592

Other Names
5-anhydro-D-fructose reductase, AF reductase, Aldo-keto reductase family 1 member C-like protein 2, Aldo-keto reductase family 1 member E2, LoopADR, Testis-specific protein, hTSP, AKR1E2, AKR1CL2, AKRDC1

Target/Specificity
This AKR1E2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 291-320 amino acids from the C-terminal region of human AKR1E2.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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
AKR1E2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

AKR1E2 Antibody (C-term) - Protein Information

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Name AKR1E2

Synonyms AKR1CL2, AKRDC1

Function Catalyzes the NADPH-dependent reduction of 1,5-anhydro-D- fructose (AF) to 1,5-anhydro-D-glucitol (By similarity). Has low NADPH- dependent reductase activity towards 9,10-phenanthrenequinone (in vitro) (PubMed:12604216, PubMed:15118078).

Cellular Location
Cytoplasm.

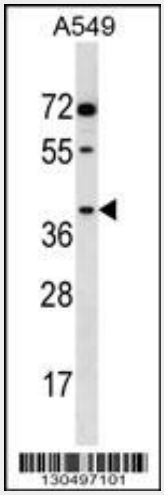
Tissue Location
Specifically expressed in testis (PubMed:12604216, PubMed:15118078). Expressed in testicular germ cells and testis interstitial cells (PubMed:15118078).

AKR1E2 Antibody (C-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 Cytomety
- Cell Culture

AKR1E2 Antibody (C-term) - Images



AKR1E2 Antibody (C-term)(Cat. #AP18721b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the AKR1E2 antibody detected the AKR1E2 protein (arrow).

AKR1E2 Antibody (C-term) - Background

AKR1E2 catalyzes the NADPH-dependent reduction of 1,5-anhydro-D-fructose (AF) to 1,5-anhydro-D-glucitol. Can also catalyze the reduction of various aldehydes and quinones (By similarity). Has low NADPH-dependent reductase activity towards 9,10-phenanthrenequinone (in vitro).

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AKR1E2 Antibody (C-term) - References

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