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AKR1CL2 Polyclonal Antibody

Catalog # AP68354

Product Information

Application	WB, IHC-P
Primary Accession	Q96JD6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36589

Additional Information

Gene ID	83592
Other Names	AKR1E2; AKR1CL2; AKRDC1; 1; 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
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

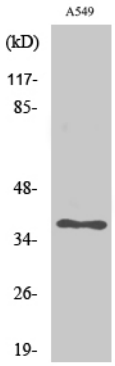
Protein Information

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).

Background

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).

Images



Western Blot analysis of various cells using AKR1CL2 Polyclonal Antibody diluted at 1：500