Product Name: AKR1CL2 Rabbit Polyclonal Antibody
Catalog #: APRab06736

Summary

Production Name	AKR1CL2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	AKR1E2
Alternative 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
Gene ID	83592.0
SwissProt ID	Q96JD6.The antiserum was produced against synthesized peptide derived from human AKR1CL2. AA range:141-190

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000..
Molecular Weight	37kD

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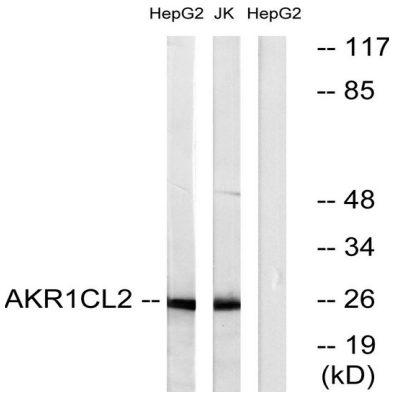
Background

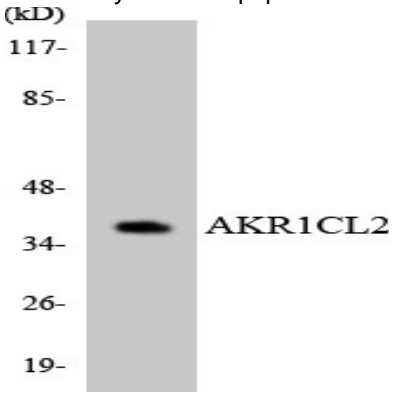
The protein encoded by this gene is a member of the aldo-keto reductase superfamily. Members in this family are characterized by their structure (evolutionarily highly conserved TIM barrel) and function (NAD(P)H-dependent oxido-reduction of carbonyl groups). Transcripts of this gene have been reported in specimens of human testis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012],catalytic activity:1,5-anhydro-D-glucitol + NADP(+) = 1,5-anhydro-D-fructose + NADPH.,function: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.,similarity:Belongs to the aldo/keto reductase family.,tissue specificity:Testis-specific.,

Research Area

Image Data



Western blot analysis of lysates from HepG2 and Jurkat cells, using AKR1CL2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using AKR1CL2 antibody.

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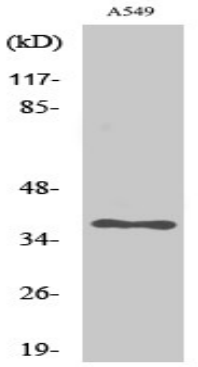

Western Blot analysis of various cells using AKR1CL2 Polyclonal Antibody diluted at 1：500

Note

For research use only.