ELK Biotechnology

AKR1CL2 rabbit pAb

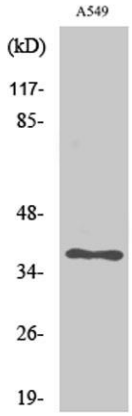
Cat No.:ES1625

For research use only

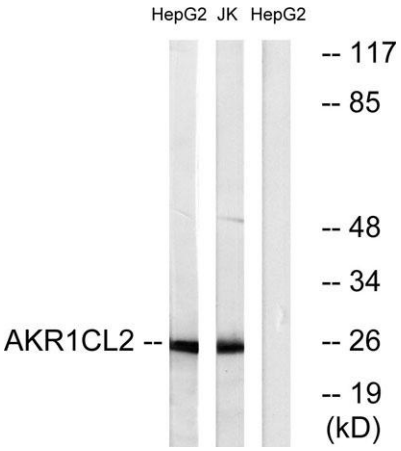
Overview

Product Name	AKR1CL2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AKR1CL2. AA range:141-190
Specificity	AKR1CL2 Polyclonal Antibody detects endogenous levels of AKR1CL2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	1,5-anhydro-D-fructose reductase
Gene Name	AKR1E2
Cellular localization	Cytoplasm .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	37kD
Human Gene ID	83592
Human Swiss-Prot Number	Q96JD6
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
Background	The protein encoded by this gene is a member of the aldo-keto reductase superfamily. Members in

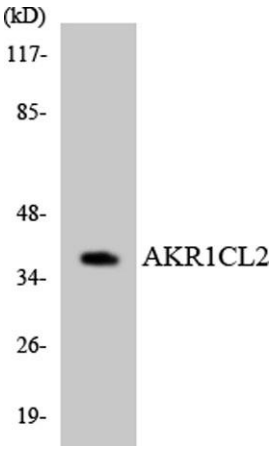
this family are characterized by their structure (evolutionarily highly conserved TIM barrel) and function (NAD(P)H-dependent oxido-reduction of carbonyl groups). Transcripts of this gene have been reported in specimens of human testis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012],



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



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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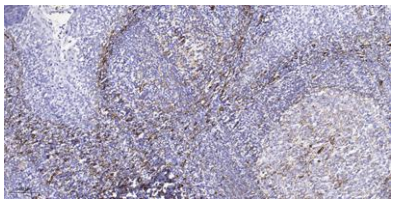

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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