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Anti-AKR1CL2 Antibody

Rabbit polyclonal antibody to AKR1CL2
Catalog # AP60120

Product Information

Application	WB, IHC
Primary Accession	Q96JD6
Other Accession	Q9DCT1
Reactivity	Human, Mouse, Rat, Monkey, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36589

Additional Information

Gene ID	83592
Other Names	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
Target/Specificity	Recognizes endogenous levels of AKR1CL2 protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

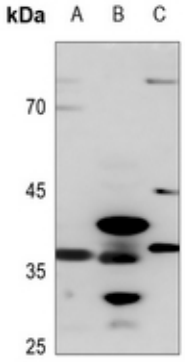
Protein Information

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).

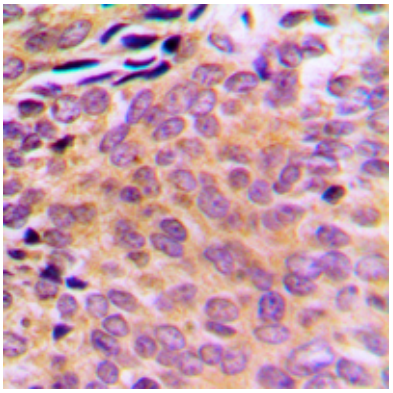
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AKR1CL2. The exact sequence is proprietary.

Images



Western blot analysis of AKR1CL2 expression in mouse muscle (A), rat kidney (B), rat testis (C) whole cell lysates.



Immunohistochemical analysis of AKR1CL2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.