

DCXR Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP55461

Specification

DCXR Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	O7Z4W1
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25913

DCXR Polyclonal Antibody - Additional Information

Gene ID 51181

Other Names

L-xylulose reductase, XR, 1.1.1.10, Carbonyl reductase II, Dicarbonyl/L-xylulose reductase, Kidney dicarbonyl reductase, kiDCR, Short chain dehydrogenase/reductase family 20C member 1, Sperm surface protein P34H, DCXR, SDR20C1

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

DCXR Polyclonal Antibody - Protein Information

Name DCXR

Synonyms SDR20C1

Function

Catalyzes the NADPH-dependent reduction of several pentoses, tetroses, trioses, alpha-dicarbonyl compounds and L-xylulose. Participates in the uronate cycle of glucose metabolism. May play a role in the water absorption and cellular osmoregulation in the proximal renal tubules by producing xylitol, an osmolyte, thereby preventing osmolytic stress from occurring in the renal tubules.

Cellular Location

Membrane; Peripheral membrane protein. Note=Probably recruited to membranes via an interaction with phosphatidylinositol.

Tissue Location

Highly expressed in kidney, liver and epididymis. In the epididymis, it is mainly expressed in the

proximal and distal sections of the corpus region. Weakly or not expressed in brain, lung, heart, spleen and testis.

DCXR Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DCXR Polyclonal Antibody - Images