

AKR1E2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP18721b**Specification**

AKR1E2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q96JD6](#)**AKR1E2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 83592**Other Names**

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, AKR1E2, AKR1CL2, AKRDC1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AKR1E2 Antibody (C-term) Blocking Peptide - 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).

AKR1E2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

AKR1E2 Antibody (C-term) Blocking Peptide - Images

AKR1E2 Antibody (C-term) Blocking Peptide - Background

AKR1E2 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 (By similarity). Has low NADPH-dependent reductase activity towards 9,10-phenanthrenequinone (in vitro).

AKR1E2 Antibody (C-term) Blocking Peptide - References

Clancy, R.M., et al. Arthritis Rheum. 62(11):3415-3424(2010)Lamesch, P., et al. Genomics 89(3):307-315(2007)Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006)Azuma, Y., et al. Mol. Hum. Reprod. 10(7):527-533(2004)Nishinaka, T., et al. Chem. Biol. Interact. 143-144, 299-305 (2003) :