

AKR1B10 Polyclonal Antibody

ALTERNATE NAMES: Aldo-keto reductase family 1 member B10, ARL-1, Aldose reductase-like, Aldose reductase-related protein, ARP, hARP, Small intestine reductase, SI reductase

CATALOG NO. : A1016-100

AMOUNT: 100 µg (0.5 mg/ml)

HOST: Rabbit

IMMUNOGEN: human recombinant AKR1B10 (Cat. No. 6339)

INTERNAL ID: BV-Q31

PURIFICATION: Affinity purified rabbit IgG

MOLECULAR WEIGHT: 36 kDa

FORM: Liquid

FORMULATION: Supplied in PBS (pH 7.2) with 0.01 % BSA, 0.03 % ProClin®, and 50 % glycerol

SPECIES REACTIVITY: Human, Mouse, rat

STORAGE CONDITIONS: Store at -20°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION: AKR1B10 is a monomeric protein that efficiently catalyzes the reduction of aromatic and aliphatic aldehydes and ketones. AKR1B10 is ubiquitously expressed in many human tissues but is highly expressed in small intestine, colon and adrenal gland. This protein is pathogenically involved in diabetic complications. It has been reported that AKR1B10 is overexpressed in human tumors, such as liver, breast, and lung cancer, and may play a critical role in the development and progression of cancer.

APPLICATION: Western blot: 1-4 µg/ml

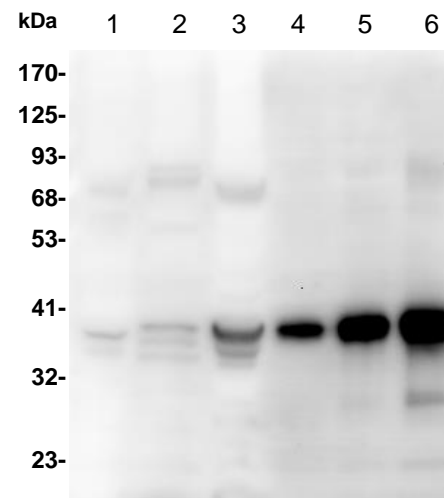


Figure Legend: Western Blot analysis of anti-AKR1B10 antibody with Jurkat cells (1), 3T3 cells (2) and rat kidney lysate (3). AKR1B10 (arrow) was detected using the purified antibody. Antibody sensitivity is also tested by 2 ng (4), 10 ng (5), 50 ng (6) human AKR1B10 recombinant protein.

RELATED PRODUCTS:

- AKR1B10, human recombinant (**Cat No. 6339-100, -1000**)
- Aldehyde Dehydrogenase Activity Colorimetric Assay kit (**Cat. No. K731-100**)
- PicoProbe™ Aldehyde Dehydrogenase Activity Assay kit (**Cat. No. K741-100**)
- Human recombinant ALDH2 (**Cat. No. 6332-100**)
- Human recombinant ALDH3A1 (**Cat. No. 6333-50**)
- Human recombinant AKR7A3 (**Cat. No. 6334-50**)
- Human recombinant AKR7A2 (**Cat. No. 6335-50**)
- Human recombinant AKR1C1 (**Cat. No. 6336-50**)
- Human recombinant AKR1C3 (**Cat. No. 6337-50**)
- Human recombinant AKR1C4 (**Cat. No. 6338-50**)

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

FOR RESEARCH USE ONLY! Not to be used on humans.

