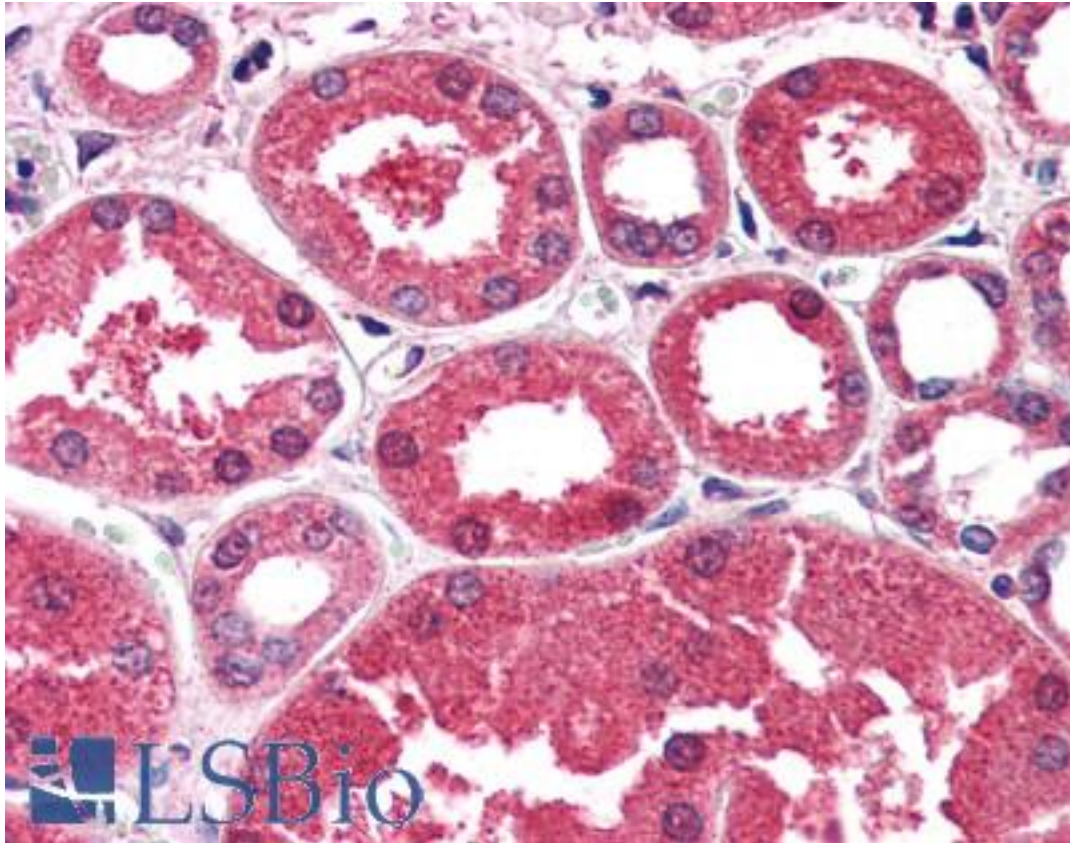


AKR1A1 Goat anti-Human Polyclonal (C-Terminus) Antibody - LS-B2745 - LSBio	
<b>CatalogID:</b>	LS-B2745
<b>Validation:</b>	This antibody replaces catalog number LS-C54479. It has been validated for use in the following assays: IHC-P.
<b>Target:</b>	aldo-keto reductase family 1, member A1 (aldehyde reductase) (AKR1A1)
<b>Synonyms:</b>	AKR1A1 Antibody, ALDR1 Antibody, Aldehyde reductase Antibody, Alcohol dehydrogenase Antibody, ARM Antibody, DD3 Antibody, Dihydrodiol dehydrogenase 3 Antibody, ALR Antibody
<b>Host</b>	AKR1A1 antibody was produced in Goat
<b>Clonality:</b>	Polyclonal
<b>Immunogen Species:</b>	AKR1A1 antibody was raised against Human
<b>Antigen Type:</b>	Synthetic peptide
<b>Immunogen:</b>	AKR1A1 antibody was raised against synthetic peptide C-DAGHPLYPFNDPY from the C-terminus of human AKR1A1 (NP_006057.1; NP_697021.1). Percent identity by BLAST analysis: Human, Gorilla, Orangutan, Gibbon, Marmoset, Mouse, Rat, Hamster, Elephant, Dog, Bat, Bovine, Horse, Rabbit, Pig, Xenopus (100%); Turkey, Chicken, Platypus, Catfish, Zebrafish (92%); Opossum, Salmon, Stickleback, Pike (85%).
<b>Specificity:</b>	Human AKR1A1. Both reported variants (NP_006057.1 and NP_697021.1) represent identical protein
<b>Epitope:</b>	C-Terminus
<b>Reactivity:</b>	Human, Gorilla, Orangutan, Gibbon, Monkey, Mouse, Rat, Bat, Bovine, Dog, Hamster, Horse, Pig, Rabbit, Xenopus
<b>Predicted Reactivity:</b>	Chicken, Zebrafish
<b>Purification:</b>	Immunoaffinity purified
<b>Presentation:</b>	Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide
<b>Recommended Storage:</b>	Store at -20°C. Minimize freezing and thawing.
<b>Usage Summary:</b>	Immunohistochemistry: LS-B2745 was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for LS-B2745 was determined to be 2.5 ug/ml.
<b>Uses:</b>	IHC - Paraffin (2.5 µg/ml), Western blot (0.5 - 2 µg/ml), ELISA (1:16000) (Optimal dilution to be determined by the researcher)
<b>Size:</b>	50 µg
<b>Concentration:</b>	0.5 mg/ml

**Immunohistochemistry Image:**



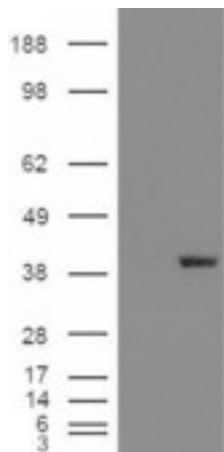
Anti-AKR1A1 antibody IHC of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody LS-B2745 concentration 5 ug/ml.

**Western Blot Image:**



Antibody staining (1 ug/ml) of Human Placenta lysate (RIPA buffer, 35 ug total protein per lane). Primary incubated for 1 hour. Detected by Western blot of chemiluminescence.

**Western Blot Image:**



HEK293 overexpressing AKR1A1 (RC200302) and probed with the antibody (mock transfection in first lane).

**Requested From:**

Japan

Laboratory Reagent For In Vitro Research Use Only

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Created on 9/23/2014

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