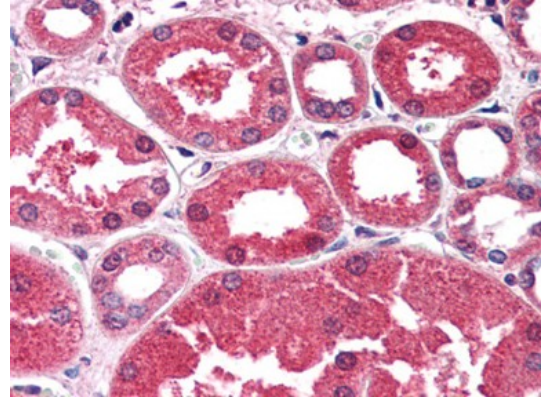


AP08960PU-N**Polyclonal Antibody to AKR1A1 / ALDR1 (313-325) - Aff - Purified**

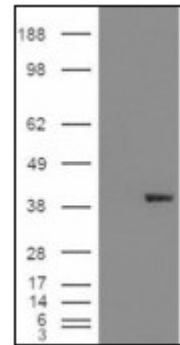
Alternate names:	ALR, Alcohol dehydrogenase [NADP+], Aldehyde reductase, Aldo-keto reductase family 1 member A1
Quantity:	50 µg
Concentration:	0.5 mg/ml
Background:	The AKR1A1 gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member, also known as aldehyde reductase, is involved in the reduction of biogenic and xenobiotic aldehydes and is present in virtually every tissue. Alternative splicing of this gene results in two transcript variants encoding the same protein.
Uniprot ID:	P14550
NCBI:	NP_001189342.1
GeneID:	10327
Host:	Goat
Immunogen:	Synthetic peptide from C-terminus of human AKR1A1 AA Sequence: C-DAGHPLYPFNDPY Remarks: 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%)
Format:	State: Liquid purified Ig Purification: Immunoaffinity Chromatography Buffer System: Tris saline buffer, pH 7.3, 0.5% BSA, 0.02% sodium azide
Applications:	ELISA: 1/16000. Immunohistochemistry on Paraffin Sections: 2.5 µg/ml. Western Blot: 0.5 - 2 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to Aldo-keto Reductase Family 1, Member A1 (aldehyde reductase) (AKR1A1) at aa 313-325.
Species Reactivity:	Tested: Human, Gorilla, Orangutan, Gibbon, Marmoset, Mouse, Rat, Hamster, Elephant, Dog, Bat, Bovine, Horse, Rabbit, Pig, Xenopus, Turkey, Chicken, Platypus, Catfish, Zebrafish, Opossum, Salmon, Stickleback, Pike
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Kidney: Formalin-Fixed, Paraffin-Embedded (FFPE)



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



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

