

Product datasheet for **AP12364PU-N**

AKR1B1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western Blot: 1/50-1/100 Immunohistochemistry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the Center region of human AKR1B1.
Specificity:	This antibody detects AKR1B1/ALDR1 (Center).
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Conjugation:	Unconjugated
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.
Stability:	Shelf life: one year from despatch.
Gene Name:	aldo-keto reductase family 1, member B1 (aldose reductase)
Database Link:	Entrez Gene 231 Human P15121
Background:	AKR1B1 is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This protein catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol.

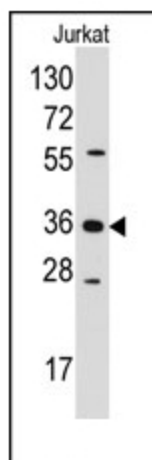


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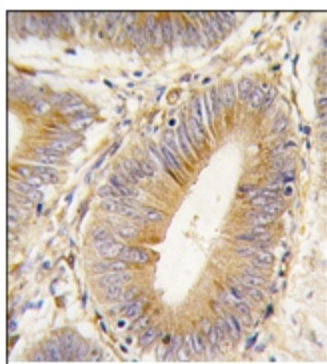
Synonyms: Aldose reductase

Note: **Molecular weight:** 35853 Da

Product images:



Western blot analysis of anti-AKR1B1 Pab in Jurkat cell line lysates (35ug/lane). AKR1B1 (arrow) was detected using the purified Pab (1:60 dilution).



Formalin-fixed and paraffin-embedded human colon carcinoma tissue reacted with AKR1B1 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.