



Datasheet for ABIN357880
anti-AKR1B1 antibody (C-Term)



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4 Images

Overview

Quantity:	0.4 mL
Target:	AKR1B1
Binding Specificity:	AA 287-316, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AKR1B1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 287~316 amino acids from the C-terminal region of Human AKR1B1
Isotype:	Ig Fraction
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	AKR1B1
Alternative Name:	AKR1B1 / ALDR1 (AKR1B1 Products)
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,

Target Details

including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. Synonyms: Aldose reductase

Molecular Weight: 35853 Da

Gene ID: 231, 9606

UniProt: [P15121](#)

Pathways: [Metabolism of Steroid Hormones and Vitamin D](#), [C21-Steroid Hormone Metabolic Process](#), [Monocarboxylic Acid Catabolic Process](#)

Application Details

Application Notes: ELISA: 1/1,000. Western Blot: 1/50-1/100 Immunohistochemistry: 1/10-1/50.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) Sodium Azide as preservative.

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

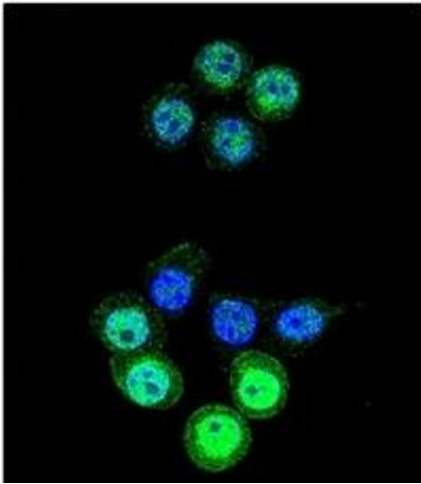


Image 1.

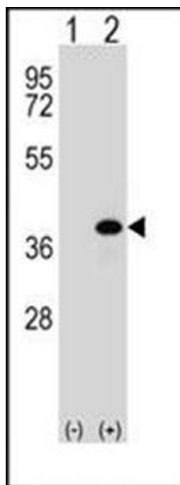


Image 2.

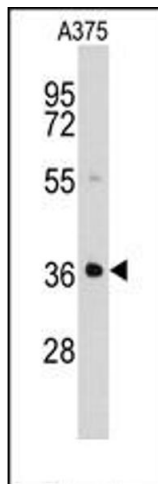


Image 3.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN357880.