Anti-AKR1B1 antibody

Cat. No.	ml160849
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-AKR1B1 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human AKR1B1
Reactivity	Human
Content	0.3 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

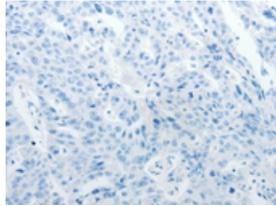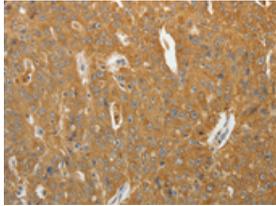|	
Symbol	AKR1B1
Full name	Aldo-keto reductase family 1, member B1 (aldose reductase)
Synonyms	AR; ADR; ALR2; ALDR1
Swissprot	P15121

Target Background

This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member 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. Multiple pseudogenes have been identified for this gene. The nomenclature system used by the HUGO Gene Nomenclature Committee to define human aldo-keto reductase family members is known to differ from that used by the Mouse Genome Informatics database.

Applications

Immunohistochemistry
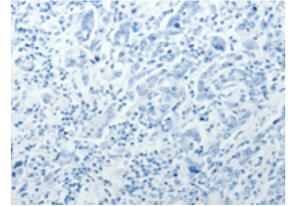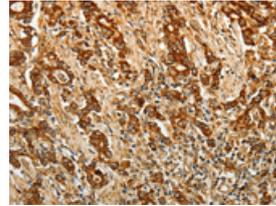
Predicted cell location: Cytoplasm

Positive control: Human ovarian cancer

Recommended dilution: 50-200

Predicted cell location: Cytoplasm

Positive control: Human gastric cancer

Recommended dilution: 50-200

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml160849(AKR1B1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using ml160849(AKR1B1 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

Western blotting

Predicted band size:36 kDa

Positive control:Hela cells
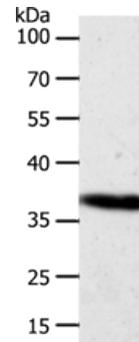
Recommended dilution: 500-2000

Gel: 10%SDS-PAGE

Lysate: 27 μg

Lane: Hela cells

Primary antibody: ml160849(AKR1B1 Antibody) at dilution 1/700

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 4 seconds

ELISA

Recommended dilution: 2000-5000

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