Datasheet for ABIN5647462

anti-AKR1B10 antibody (AA 285-316)

2 Images

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Overview

Quantity:	100 µg
Target:	AKR1B10
Binding Specificity:	AA 285-316
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 285-316 (EMATILSFNRNWRACNVLQSSHLEDYPFNAEY) from the human protein were used as the immunogen for the AKR1B10 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	AKR1B10
Alternative Name:	AKR1B10 (AKR1B10 Products)
Background:	Aldo-keto reductase family 1 member B10 is an enzyme that in humans is encoded by the AKR1B10 gene. This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in

Target Details

	adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis.
UniProt:	O60218

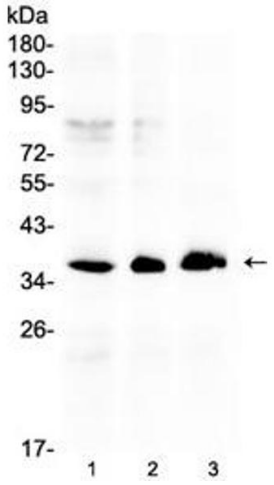
Application Details

Application Notes:	Optimal dilution of the AKR1B10 antibody should be determined by the researcher.\. WB: 0.5-1 µg/mL,IHC (FFPE): 1-2 µg/mL
Restrictions:	For Research Use only

Handling

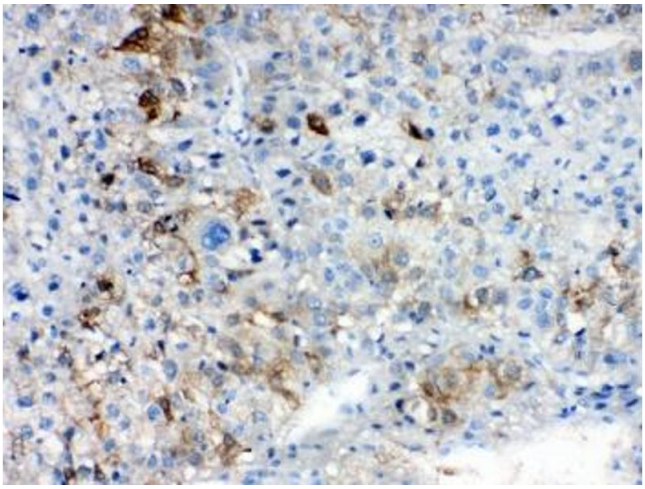
Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water
Storage:	-20 °C
Storage Comment:	After reconstitution, the AKR1B10 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot testing of human 1) HeLa, 2) COLO320 and 3) SW620 cell lysate with AKR1B10 antibody at 0.5ug/ml. Predicted molecular weight ~36 kDa.



Immunohistochemistry

Image 2. IHC testing of FFPE human liver cancer tissue with AKR1B10 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.

