ARG55510
anti-AKR1B10 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes AKR1B10
Tested Reactivity	Hu, Ms, Rat
Tested Application	IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	AKR1B10
Species	Human
Immunogen	Recombinant protein of Human AKR1B10 (NP_064695.3)
Conjugation	Un-conjugated
Alternate Names	ARP; AKR1B12; AKR1B11; HIS; ARL-1; Aldo-keto reductase family 1 member B10; ARL1; HSI; SI reductase; ALDRLn; EC 1.1.1.-; Aldose reductase-like; Small intestine reductase; Aldose reductase-related protein; hARP

Application Instructions

Application table

Application	Dilution
IP	Assay-dependent
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse intestine and 293T
Observed Size	35 kDa

Properties

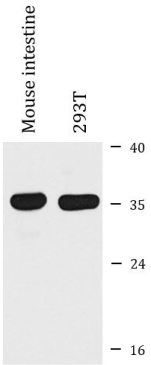
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 57016 Human Swiss-port # O60218 Human
Gene Symbol	AKR1B10
Gene Full Name	aldo-keto reductase family 1, member B10 (aldose reductase)
Background	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 adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [provided by RefSeq, Jul 2008]
Function	Acts as all-trans-retinaldehyde reductase. Can efficiently reduce aliphatic and aromatic aldehydes, and is less active on hexoses (in vitro). May be responsible for detoxification of reactive aldehydes in the digested food before the nutrients are passed on to other organs. [UniProt]
Research Area	Cancer antibody; Metabolism antibody; Signaling Transduction antibody
Calculated Mw	36 kDa

Images



ARG55510 anti-AKR1B10 antibody WB image

Western blot: Mouse intestine and 293T cell lysates stained with ARG55510 anti-AKR1B10 antibody.