Mouse anti-Human AKR1B10 Monoclonal Antibody | anti-AKR1B10 antibody

AKR1B10 (Aldo-keto Reductase Family 1 Member B10, ARL-1, Aldose Reductase-like, Aldose Reductase-related Protein, ARP, hARP, Small Intestine Reductase, SI Reductase, AKR1B11) (PE)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA25608	**Mouse**	**Human**	**ELISA, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

AKR1B10; Monoclonal Antibody; AKR1B10 (Aldo-keto Reductase Family 1 Member B10; ARL-1; Aldose Reductase-like; Aldose Reductase-related Protein; ARP; hARP; Small Intestine Reductase; SI Reductase; AKR1B11) (PE); anti-AKR1B10 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1A6
Specificity	Recognizes human AKR1B10.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Applicable Applications for anti-AKR1B10 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 10ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa76-144 from human AKR1B10 (NP_064695) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VSKLWPTFFERPLVRKAFEKTLKDLKLSYLDVYLIHWPQGFKSGDDLFPKDDKGNAIGGKATFLDAWE
Conjugate	PE
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.

IMAGES

WB (Western Blot)
AKR1B10 monoclonal antibody, Western Blot analysis of AKR1B10 expression in HepG2.

Application Data
Detection limit for recombinant GST tagged AKR1B10 is ~0.03ng/ml as a capture antibody.

IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to AKR1B10 on HeLa cell. [antibody concentration 10ug/ml].

IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to AKR1B10 on formalin-fixed paraffin-embedded human colon. [antibody concentration 3ug/ml].

WB (Western Blot)
Western Blot analysis of AKR1B10 expression in transfected 293T cell line by AKR1B10 monoclonal antibody. Lane 1: AKR1B10 transfected lysate (36kD). Lane 2: Non-transfected lysate.

WB (Western Blot)
Western Blot detection against Immunogen (33.59kD).

ADDITIONAL INFORMATION

Product Categories/Family for anti-AKR1B10 antibody	Antibodies; Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	223468663
NCBI GeneID	57016
NCBI Accession #	NP_064695
NCBI GenBank Nucleotide #	NM_020299
UniProt Accession #	O60218; O75890; Q6FHF3; Q8IWZ1; A4D1P1
Molecular Weight	36 kDa (316aa), confirmed by MALDI-TOF.
NCBI Official Full Name	aldo-keto reductase family 1 member B10
NCBI Official Synonym Full Names	aldo-keto reductase family 1 member B10
NCBI Official Symbol	AKR1B10
NCBI Official Synonym Symbols	HIS; HSI; ARL1; ARL-1; ALDRLn; AKR1B11; AKR1B12
NCBI Protein Information	aldo-keto reductase family 1 member B10
UniProt Protein Name	Aldo-keto reductase family 1 member B10
UniProt Gene Name	**AKR1B10**
UniProt Synonym Gene Names	AKR1B11; ARP; hARP
UniProt Entry Name	AK1BA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/akr1b10-antibody-clone-1a6-immunofluorescence-immunohistochemistry-western-blot-elisa/25608