

Anti-AKR1B10 Antibody (aa1-316)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18036**Specification**

Anti-AKR1B10 Antibody (aa1-316) - Product Information

Application	WB, IHC-P, ICC
Primary Accession	O60218
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	36020
Dilution	WB~~1:1000 IHC-P~~N/A ICC~~N/A

Anti-AKR1B10 Antibody (aa1-316) - Additional Information**Gene ID** 57016**Alias Symbol** **AKR1B10****Other Names**

AKR1B10, AKR1B11, Aldose reductase-like peptide, ALDRLn, AKR1B12, Aldose reductase-like, Aldose reductase-like 1, ARP, HARP, HSI, Small intestine reductase, ARL-1, SI reductase

Target/Specificity

Human AKR1B10

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-AKR1B10 Antibody (aa1-316) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-AKR1B10 Antibody (aa1-316) - Protein Information**Name** AKR1B10**Synonyms** AKR1B11**Function**

Catalyzes the NADPH-dependent reduction of a wide variety of carbonyl-containing compounds to their corresponding alcohols (PubMed:12732097, PubMed:18087047, PubMed:19013440, PubMed:19563777, PubMed:9565553)

target="_blank">9565553). Displays strong enzymatic activity toward all-trans- retinal, 9-cis-retinal, and 13-cis-retinal (PubMed:12732097, PubMed:18087047). Plays a critical role in detoxifying dietary and lipid-derived unsaturated carbonyls, such as crotonaldehyde, 4- hydroxynonenal, trans-2-hexenal, trans-2,4-hexadienal and their glutathione-conjugates carbonyls (GS-carbonyls) (PubMed:19013440, PubMed:19563777). Displays no reductase activity towards glucose (PubMed:12732097).

Cellular Location

Lysosome. Secreted. Note=Secreted through a lysosome- mediated non-classical pathway

Tissue Location

Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.

Anti-AKR1B10 Antibody (aa1-316) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-AKR1B10 Antibody (aa1-316) - Images