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AKR1B10 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58407

Specification

AKR1B10 Polyclonal Antibody - Product Information

Application	**WB**
Primary Accession	O60218
Reactivity	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**36020**

AKR1B10 Polyclonal Antibody - Additional Information

Gene ID 57016

Other Names
Aldo-keto reductase family 1 member B10, 1.1.1.300, 1.1.1.54, ARL-1, Aldose reductase-like, Aldose reductase-related protein, ARP, hARP, Small intestine reductase, SI reductase, AKR1B10, AKR1B11

Format
0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage
Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

AKR1B10 Polyclonal Antibody - 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). 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:<a

href="http://www.uniprot.org/citations/19013440" target="_blank">19013440, PubMed:19563777). Displays no reductase activity towards glucose (PubMed:12732097).

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

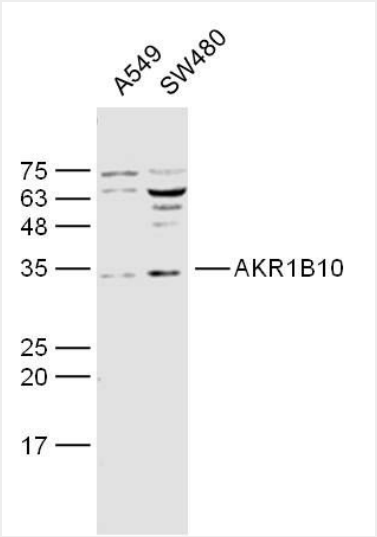
Tissue Location
Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.

AKR1B10 Polyclonal Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AKR1B10 Polyclonal Antibody - Images



Sample:
A549 Cell Lysate at 40 ug
SW480 Cell Lysate at 40 ug
_x005f Primary: Anti- AKR1B10 (bs-6274R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 35 kD
Observed band size: 35 kD