

For Research Use Only

# AKR1B10 Monoclonal antibody, PBS Only



Catalog Number: 68327-1-PBS

## Basic Information

<b>Catalog Number:</b> 68327-1-PBS	<b>GenBank Accession Number:</b> BC008837	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 57016	<b>CloneNo.:</b> 5A4G5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> O60218	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> aldo-keto reductase family 1, member B10 (aldose reductase)	
<b>Immunogen Catalog Number:</b> AG24406	<b>Calculated MW:</b> 316 aa, 36 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

**Tested Applications:**  
WB, IF, Indirect ELISA

**Species Specificity:**  
Human, Pig, Rat

## Background Information

Aldo-keto reductase family 1 member B10 (AKR1B10), which belongs to the AKR superfamily, consists of 316 amino acids and its gene is located on chromosome 7q33. AKR1B10 was initially identified in liver cancer. It is highly expressed in the small intestine, colon, and adrenal gland.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

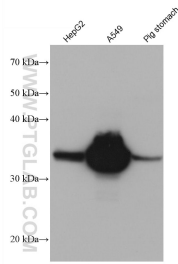
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

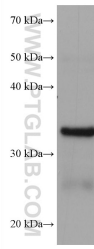
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

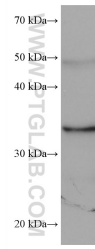
## Selected Validation Data



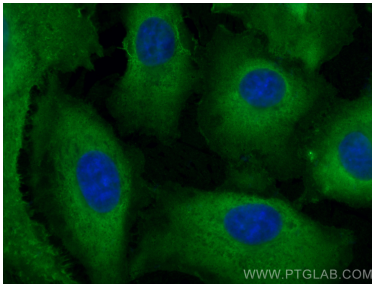
Various lysates were subjected to SDS PAGE followed by western blot with 68327-1-Ig (AKR1B10 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68327-1-PBS in a different storage buffer formulation.



rat stomach tissue were subjected to SDS PAGE followed by western blot with 68327-1-Ig (AKR1B10 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68327-1-PBS in a different storage buffer formulation.



pig small intestine tissue were subjected to SDS PAGE followed by western blot with 68327-1-Ig (AKR1B10 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68327-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed A549 cells using AKR1B10 antibody (68327-1-Ig, Clone: 5A4G5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68327-1-PBS in a different storage buffer formulation.