Recombinant Aldo-keto Reductase Family 1 Member B1 (Adrenal Marker) Antibody

Mouse Monoclonal Antibody [Clone rAKR1B1/7295]

Catalog No	Format	Size
231-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
231-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
231-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml.	100 ug

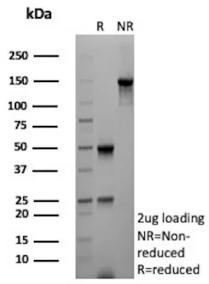
Applications	Tested Dillution	Note
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

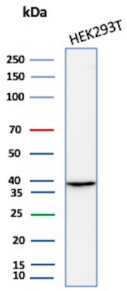
Clone	rAKR1B1/7295
Gene Name	AKR1B1
Immunogen	Recombinant human full-length AKR1B1 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	37kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	HEK293, HeLa, MOLT4, Jurkat or Raji cells. Human kidney or colon carcinoma.

**Optimal dilution for a specific application should be determined.*

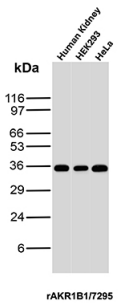
Product Images for Recombinant Aldo-keto Reductase Family 1 Member B1 (Adrenal Marker) Antibody



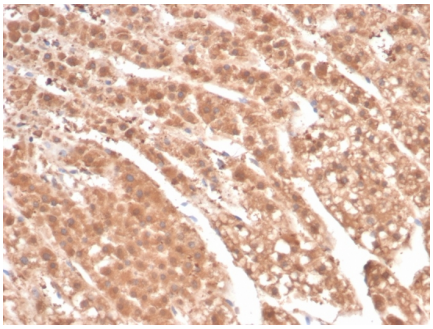
SDS-PAGE Analysis of Purified Aldose Reductase Recombinant Mouse Monoclonal Antibody (rAKR1B1/7295). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of HEK293T lysate using AKR1B1 Mouse Monoclonal Antibody (rAKR1B1/7295).



Western Blot Analysis of Human Kidney, HEK293 and HeLa lysates using AKR1B1 Recombinant Mouse Monoclonal Antibody (rAKR1B1/7295).



Formalin-fixed, paraffin-embedded human adrenal gland stained with Aldose Reductase Recombinant Mouse Monoclonal Antibody (rAKR1B1/7295). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

AKR1B1, also designated as aldose reductase, is a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This protein catalyzes the reduction of a number of aldehydes, including the aldehyde form of glucose, and is thereby implicated in the development of diabetic complications by catalyzing the reduction of glucose to sorbitol. It has also been shown to have decreased expression in adrenocortical cancer, and possibly play a role in adrenal tumorigenesis. It has been suggested that AKR1B1 could be investigated as a marker of malignancy for adrenal tumor diagnosis.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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