

# Product Datasheet

## AKR1B1 Antibody (CPTC-AKR1B1-2) - Azide and BSA Free NBP2-79931

Unit Size: 100 ug

Store at -20 to -80C. Avoid freeze-thaw cycles.

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**NBP2-79931**

AKR1B1 Antibody (CPTC-AKR1B1-2) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	1 mg/ml
Storage	Store at -20 to -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CPTC-AKR1B1-2
Preservative	No Preservative
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS
Target Molecular Weight	37 kDa

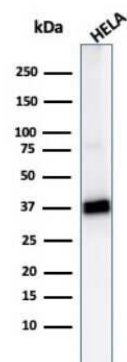
Product Description	
Description	1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-79797).  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	231
Gene Symbol	AKR1B1
Species	Human
Marker	Adrenal Marker
Immunogen	Recombinant full-length human AKR1B1protein (Uniprot: P15121)

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Immunohistochemistry 1-2 ug/ml, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 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 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

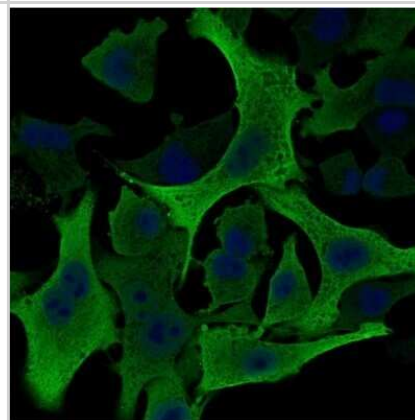


## Images

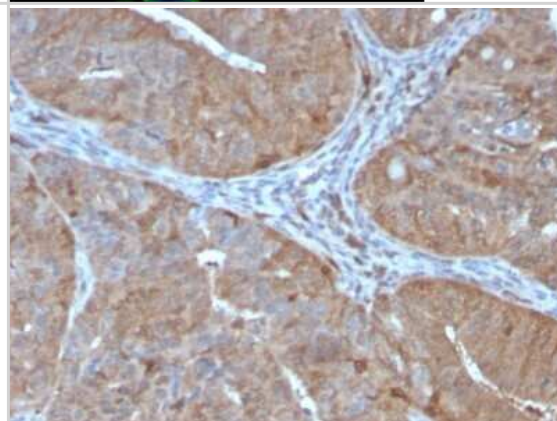
Western Blot: AKR1B1 Antibody (CPTC-AKR1B1-2) - Azide and BSA Free [NBP2-79931] - Western Blot Analysis of HeLa cell lysate using AKR1B1 Antibody (CPTC-AKR1B1-2).



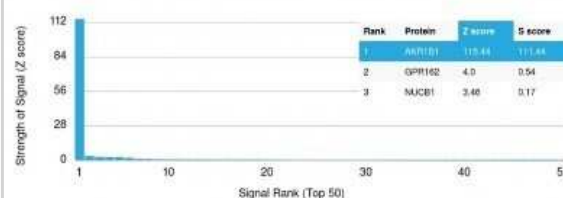
Immunocytochemistry/Immunofluorescence: AKR1B1 Antibody (CPTC-AKR1B1-2) - Azide and BSA Free [NBP2-79931] - Immunofluorescence Analysis of A549 cells labeling AKR1B1 with AKR1B1 Antibody (CPTC-AKR1B1-2) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is RedDot (Blue)



Immunohistochemistry-Paraffin: AKR1B1 Antibody (CPTC-AKR1B1-2) - Azide and BSA Free [NBP2-79931] - Formalin-fixed, paraffin-embedded human prostate stained with AKR1B1 Antibody (CPTC-AKR1B1-2).



Protein Array: AKR1B1 Antibody (CPTC-AKR1B1-2) - Azide and BSA Free [NBP2-79931] - Analysis of Protein Array containing more than 19,000 full-length human proteins using AKR1B1 Antibody (CPTC-AKR1B1-2). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5





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### **Products Related to NBP2-79931**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-51989-0.1mg	Recombinant Mouse AKR1B1 His Protein

### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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