

Product Datasheet

AKR1A1 Antibody NB100-1074

Unit Size: 0.1 mg

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

www.novusbio.com



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NB100-1074

AKR1A1 Antibody

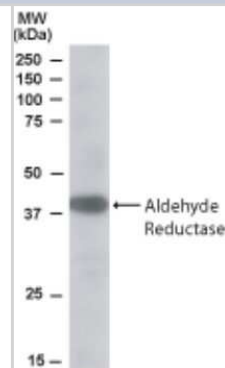
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	37 kDa

Product Description	
Description	Novus Biologicals Goat AKR1A1 Antibody (NB100-1074) is a polyclonal antibody validated for use in IHC, WB and ELISA. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	10327
Gene Symbol	AKR1A1
Species	Human
Reactivity Notes	Predicted cross-reactivity based on sequence identity: Mouse, Rat, Canine, Porcine, Bovine.
Specificity/Sensitivity	Both reported variants (NP_006057.1 and NP_697021.1) represent identical protein
Immunogen	Peptide with sequence C-DAGHPLYPFNDPY corresponding to C-Terminus according to NP_697021.1.

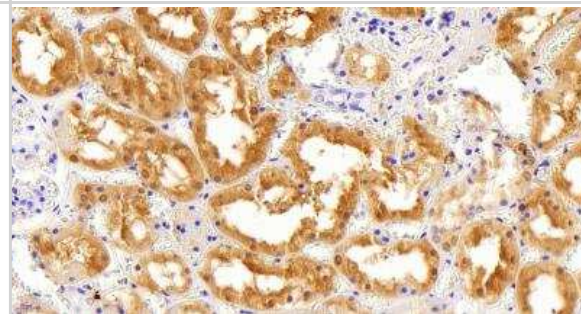
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 0.1 - 0.3 ug/ml, Immunohistochemistry 2 - 3 ug/ml, Immunohistochemistry-Paraffin 2 - 3 ug/ml, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Approx. 37 kDa band observed in human liver and human placenta lysates. In transfected HEK293 transiently expressing human AKR1A1 a band of approx. 40 kDa is observed. This band is not observed in the non-transfected HEK293. (calculated MW of 36.6 kDa band according to NP_006057.1 and NP_697021.1). IHC-P: Human kidney shows Brush Border staining in PCT.

Images

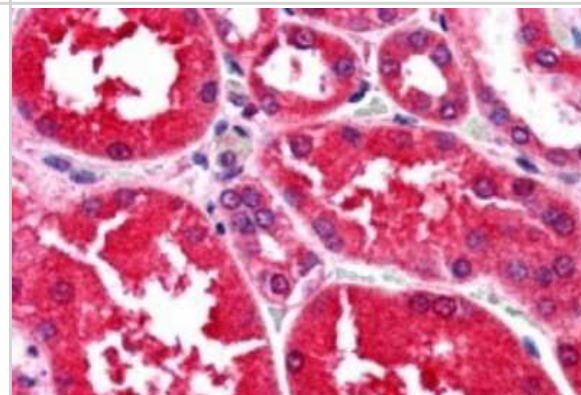
Western Blot: AKR1A1 Antibody [NB100-1074] - Analysis of AKR1A1 in Human Placenta lysate using NB100-1074 at 1 ug/ ml.



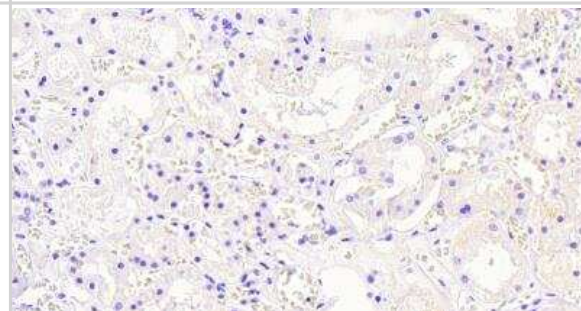
Immunohistochemistry-Paraffin: AKR1A1 Antibody [NB100-1074] - (5ug/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry-Paraffin: AKR1A1 Antibody [NB100-1074] - IHC staining of AKR1A1 in paraffin embedded Human Kidney using this antibody at 2.5g/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Immunohistochemistry-Paraffin: AKR1A1 Antibody [NB100-1074] - Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NB100-1074

NB820-59248	Human Placenta Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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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