

# Product Datasheet

## AKR1A1 Antibody (OTI6E3) - Azide and BSA Free NBP2-71591

Unit Size: 100 ug

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

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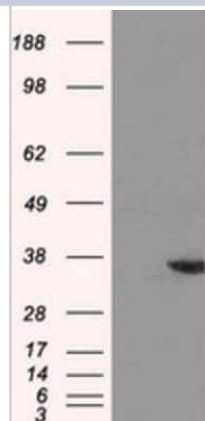
**NBP2-71591**

AKR1A1 Antibody (OTI6E3) - Azide and BSA Free

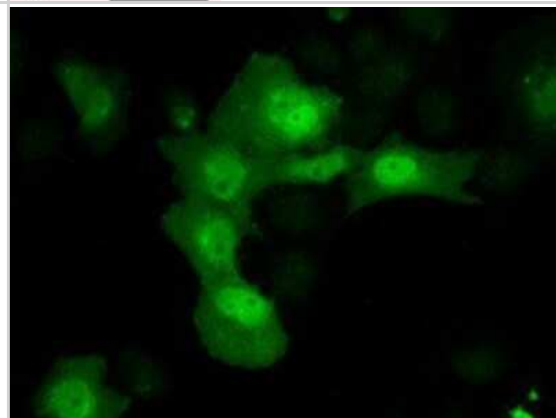
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI6E3
Preservative	No Preservative
Reconstitution Instructions	we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process.
Isotype	IgG2a
Purity	Immunogen affinity purified
Buffer	Lyophilized from PBS (pH 7.3) with 8% Trehalose
Target Molecular Weight	36.6 kDa
Product Description	
Description	Novus Biologicals Mouse AKR1A1 Antibody (OTI6E3) - Azide and BSA Free (NBP2-02164) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10327
Gene Symbol	AKR1A1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human AKR1A1 (NP_006057) produced in HEK293T cell.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:50, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin, CyTOF-ready

## Images

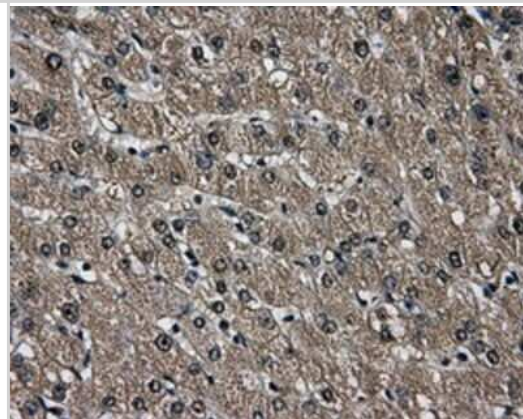
Western Blot: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY AKR1A1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AKR1A1.



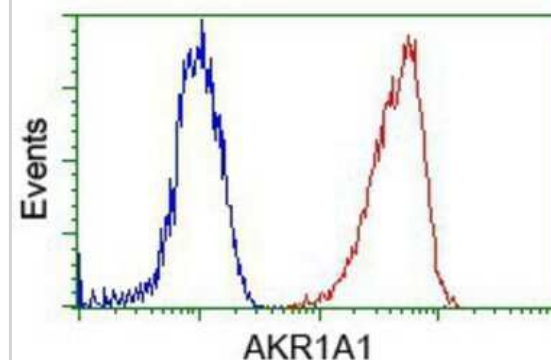
Immunocytochemistry/Immunofluorescence: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY AKR1A1.



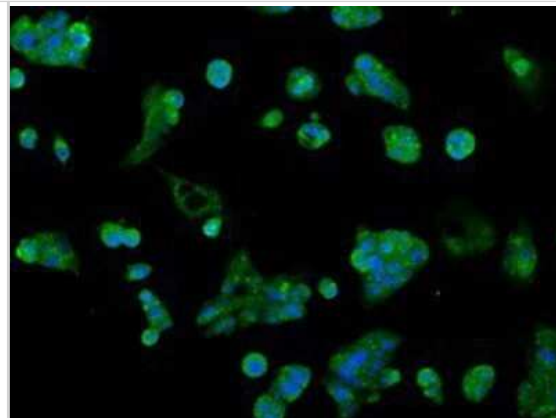
Immunohistochemistry: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - Staining of paraffin-embedded liver tissue using anti-AKR1A1 mouse monoclonal antibody.



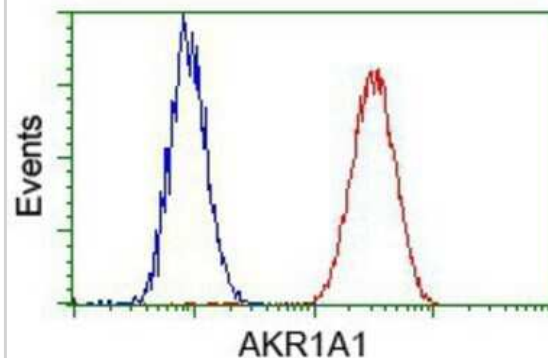
Flow Cytometry: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - Analysis of Jurkat cells, using anti-AKR1A1 antibody, (Red) compared to a nonspecific negative control antibody (Blue).



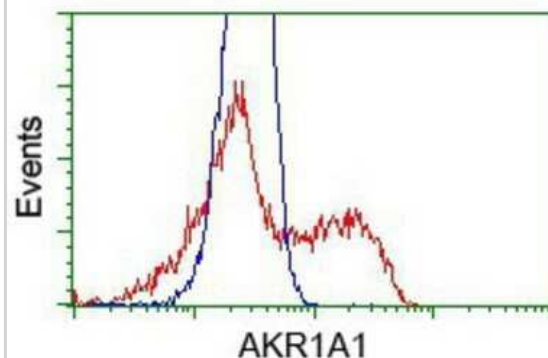
Immunocytochemistry/Immunofluorescence: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - Staining of HepG2 cells using anti-AKR1A1 mouse monoclonal antibody.



Flow Cytometry: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - Analysis of Hela cells, using anti-AKR1A1 antibody, (Red) compared to a nonspecific negative control antibody (Blue).



CytoTOF-ready: AKR1A1 Antibody (OTI6E3) - Azide and BSA Free [NBP2-71591] - HEK293T cells transfected with either pCMV6-ENTRY AKR1A1.(Red) or empty vector control plasmid (Blue) were immunostaining with anti-AKR1A1 mouse monoclonal, and then analyzed by flow cytometry.





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### **Products Related to NBP2-71591**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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### **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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