

Product Datasheet

Aldo-keto Reductase 1C1/AKR1C1 Antibody (5-F10-R) NBP3-32014

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32014**Aldo-keto Reductase 1C1/AKR1C1 Antibody (5-F10-R)**

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5-F10-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	36.8 kDa

Product Description	
Description	Novus Biologicals Mouse Aldo-keto Reductase 1C1/AKR1C1 Antibody (5-F10-R) (NBP3-32014) is a recombinant monoclonal antibody validated for use in WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1645
Gene Symbol	AKR1C1
Species	Human
Immunogen	Recombinant protein within Human Aldo-keto Reductase 1C1/AKR1C1 aa 180-323 / 323. (Uniprot: Q04828)

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:1000, Immunocytochemistry/ Immunofluorescence 1:100



Images

Western Blot: Aldo-keto Reductase 1C1/AKR1C1 Antibody (5-F10-R) [NBP3-32014] - Western blot analysis of Aldo-keto Reductase 1C1/AKR1C1 on different lysates with Mouse anti-Aldo-keto Reductase 1C1/AKR1C1 antibody (NBP3-32014) at 1/1,000 dilution.

Lane 1: HepG2 cell lysate (20 ug/Lane)
 Lane 2: U-87 MG cell lysate (20 ug/Lane)
 Lane 3: HeLa cell lysate (20 ug/Lane)
 Lane 4: A431 cell lysate (20 ug/Lane)
 Lane 5: Human liver tissue lysate (40 ug/Lane)

Predicted band size: 37 kDa
 Observed band size: 37 kDa

Exposure time: 30 seconds;

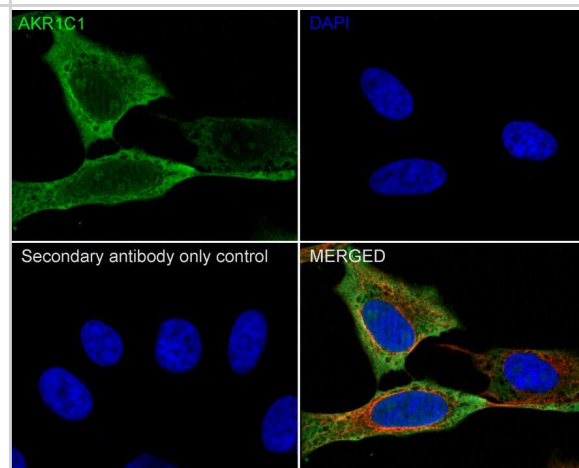
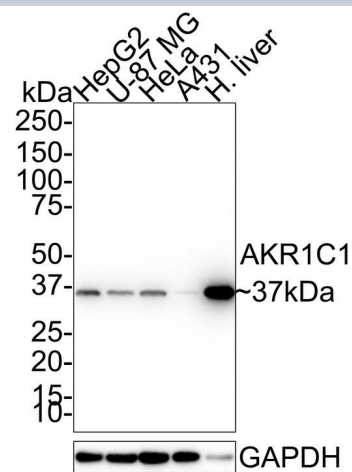
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32014) at 1/1,000 dilution was used in 5% NFDm/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/100,000 dilution was used for 1 hour at room temperature.

Immunocytochemistry/ Immunofluorescence: Aldo-keto Reductase 1C1/AKR1C1 Antibody (5-F10-R) [NBP3-32014] - Immunocytochemistry analysis of HeLa cells labeling Aldo-keto Reductase 1C1/AKR1C1 with Mouse anti-Aldo-keto Reductase 1C1/AKR1C1 antibody (NBP3-32014) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-Aldo-keto Reductase 1C1/AKR1C1 antibody (NBP3-32014) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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Products Related to NBP3-32014

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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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