

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	
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;

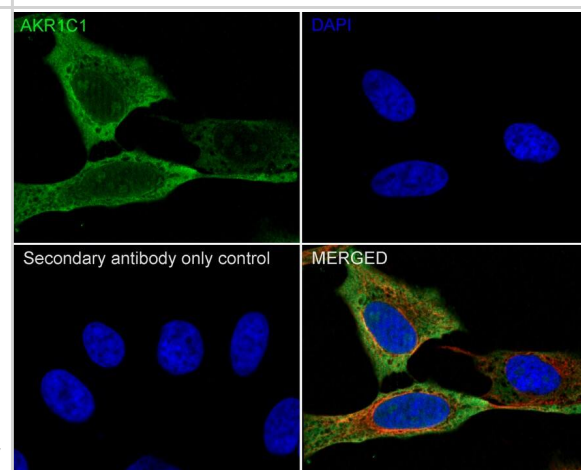
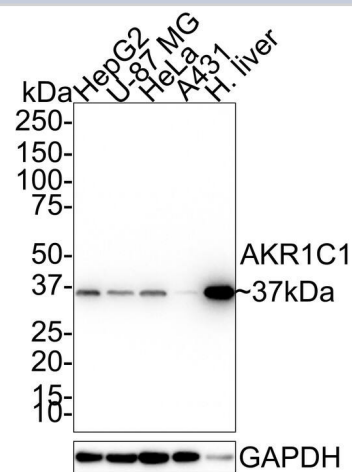
4-20% SDS-PAGE gel.

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

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)
NBP2-57667PEP	Aldo-keto Reductase 1C1/AKR1C1 Recombinant Protein Antigen

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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