

# Product Datasheet

## Aldo-keto Reductase 1B10/AKR1B10 Antibody NB100-93370

Unit Size: 0.1 mg

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

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**NB100-93370****Aldo-keto Reductase 1B10/AKR1B10 Antibody**

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

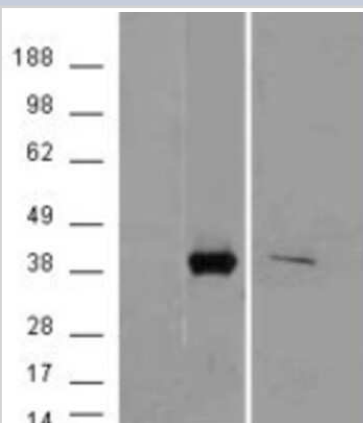
<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	57016
<b>Gene Symbol</b>	AKR1B10
<b>Species</b>	Human
<b>Immunogen</b>	Peptide with sequence C-QSSHLEDYPFDAE corresponding to C-Terminus according to NP_064695.2.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.03 - 0.1 ug/ml, Peptide ELISA Detection limit 1:8000
<b>Application Notes</b>	WB: Approx. 35 kDa band observed in lysates of HEK293, A549 and HepG2 (calculated MW of 36.0 kDa band according to NP_064695.2). In transfected HEK293 transiently expressing AKR1B10 a band of approx. 40 kDa is observed. This band is not observed in the non-transfected HEK293.

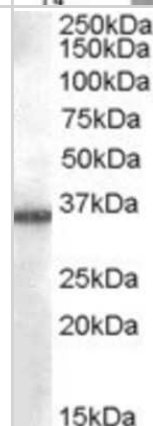


## Images

Western Blot: Aldo-keto Reductase 1B10/AKR1B10 Antibody [NB100-93370] - HEK293 overexpressing AKR1B10 (RC203177) with C-terminal tag (DYKDDDDK) and probed with anti-DYKDDDDK in the left panel and with NB100-93370 in the right panel (mock transfection in first and last lanes).



Western Blot: Aldo-keto Reductase 1B10/AKR1B10 Antibody [NB100-93370] - Analysis of AKR1B10 using this antibody at 0.03 ug/ml in A549 cell lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



## Publications

Tammali R, Ramana KV, Singhal SS et al. Aldose reductase regulates growth factor-induced cyclooxygenase-2 expression and prostaglandin E2 production in human colon cancer cells. *Cancer Res* 2006-10-01 [PMID: 17018629]



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### **Products Related to NB100-93370**

NBL1-07434	Aldo-keto Reductase 1B10/AKR1B10 Overexpression Lysate
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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