

# Product Datasheet

## Aldo-keto Reductase 1C1/AKR1C1 Antibody H00001645-B01P

Unit Size: 0.05 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00001645-B01P****Aldo-keto Reductase 1C1/AKR1C1 Antibody**

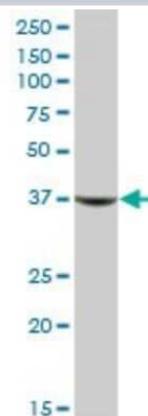
<b>Product Information</b>	
<b>Unit Size</b>	0.05 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH 7.4)

<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody reactive against mammalian transfected lysate.
<b>Host</b>	Mouse
<b>Gene ID</b>	1645
<b>Gene Symbol</b>	AKR1C1
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	AKR1C1 - aldo-keto reductase family 1, member C1 (dihydrodiol dehydrogenase 1; 20-alpha (3-alpha)-hydroxysteroid dehydrogenase),
<b>Immunogen</b>	AKR1C1 (NP_001344.2, 1 a.a. - 323 a.a.) full-length human protein. MDSKYQCVKLNDGHFMPVLGFGTYAPAEVPKSKALEATKLAIEAGFRHIDSAHL YNNEEQVGLAIRSKIADGSVKREDIFYTSKLWCNSHRPELVRPALERSLKNLQL DYVDLYLIHFVSVKPGEEVIPKDENGKILFDTVDLCATWEAVEKCKDAGLAKSI GVSNFNRRQLEMILNKPGLKYKPCNQVECHPYFNQRKLLDFCKSKDIVLVAY SALGSHREEPWVDPNSPVLLEDPVLCALAKKHKRTPALIALRYQLQRGVVVLA KSYNEQRIRQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDIFAGPPNYPFSDEY
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.

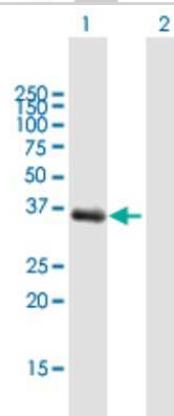
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot
<b>Recommended Dilutions</b>	Western Blot
<b>Application Notes</b>	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB and also on transfected lysate in WB. GST tag alone is used as a negative control.

## Images

Western Blot: Aldo-keto Reductase 1C1/AKR1C1 Antibody [H00001645-B01P] - Analysis of AKR1C1 expression in human liver.



Western Blot: Aldo-keto Reductase 1C1/AKR1C1 Antibody [H00001645-B01P] - Analysis of AKR1C1 expression in transfected 293T cell line by AKR1C1 polyclonal antibody. Lane 1: AKR1C1 transfected lysate(35.53 KDa). Lane 2: Non-transfected lysate.



## Publications

Kim D, Choi BH, Ryoo IG et al. High NRF2 level mediates cancer stem cell-like properties of aldehyde dehydrogenase (ALDH)-high ovarian cancer cells: inhibitory role of all-trans retinoic acid in ALDH/NRF2 signaling. *Cell Death Dis* 2018-08-30 [PMID: 30166520]

Choi BH, Ryu DY, Ryoo IG et al. NFE2L2/NRF2 silencing-inducible miR-206 targets c-MET/EGFR and suppresses BCRP/ABCG2 in cancer cells. *Oncotarget* 2017-11-18 [PMID: 29291022]

Ebert B, Kisiela M, Wsol V et al. Proteasome inhibitors MG-132 and bortezomib induce AKR1C1; AKR1C3; AKR1B1; and AKR1B10 in human colon cancer cell lines SW-480 and HT-29. *Chem Biol Interact* 2011-01-06 [PMID: 21215737]

Choi BH, Ryoo IG, Kang HC, Kwak MK. The Sensitivity of Cancer Cells to Pheophorbide a-Based Photodynamic Therapy Is Enhanced by NRF2 Silencing. *PLoS One*. 2014-09-16 [PMID: 25226504]

Han H, Bourbouli D, Jensen-Taubman S et al. An endogenous inhibitor of angiogenesis inversely correlates with side population phenotype and function in human lung cancer cells. *Oncogene*. 2014-02-27 [PMID: 23474755] (Human)



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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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