

# Product Datasheet

## AKR1C2 Antibody (3C11)

### H00001646-M03

Unit Size: 0.1 mg

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

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**H00001646-M03**

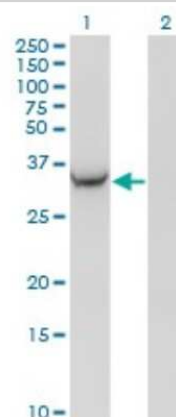
AKR1C2 Antibody (3C11)

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3C11
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	1646
Gene Symbol	AKR1C2
Species	Human
Specificity/Sensitivity	aldo-keto reductase family 1, member C2 (dihydrodiol dehydrogenase 2; bile acid binding protein; 3-alpha hydroxysteroid dehydrogenase, type III)
Immunogen	AKR1C2 (AAH63574, 224 a.a. ~ 323 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. EEPWVDPNSPVLLDPVLCALAKKHKRTPALIALRYQLQRGVVVLAKSYNEQRI RQNVQVFEFQLTSEEMKAIDGLNRNVRYLTLDIFAGPPNYPVSDEY
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA
Recommended Dilutions	Western Blot 1:500, ELISA
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

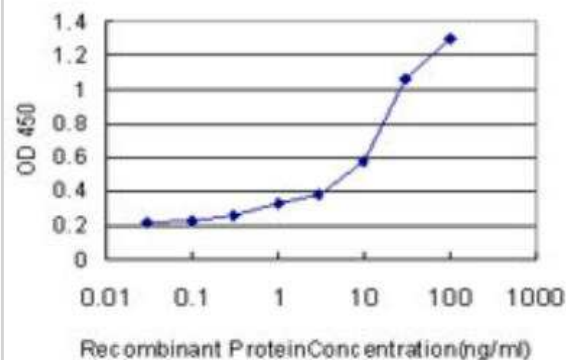


## Images

Western Blot: AKR1C2 Antibody (3C11) [H00001646-M03] - Analysis of AKR1C2 expression in transfected 293T cell line by AKR1C2 monoclonal antibody (M03), clone 3C11. Lane 1: AKR1C2 transfected lysate (36.7 KDa). Lane 2: Non-transfected lysate.



ELISA: AKR1C2 Antibody (3C11) [H00001646-M03] - Detection limit for recombinant GST tagged AKR1C2 is approximately 0.3ng/ml as a capture antibody.



## Publications

Gagliardi M, Cotella D, Santoro C et al. Aldo-keto reductases protect metastatic melanoma from ER stress-independent ferroptosis Cell Death Dis 2019-11-28 [PMID: 31780644] (WB, Human)

Takahashi RH, Bains OS, Pfeifer TA et al. Aldo-keto reductase 1C2 fails to metabolize doxorubicin and daunorubicin in vitro. Drug Metab Dispos. 2008-03-05 [PMID: 18322072]

Hevir N, Vouk K, Sinkovec J et al. Aldo-keto reductases AKR1C1, AKR1C2 and AKR1C3 may enhance progesterone metabolism in ovarian endometriosis. Chem Biol Interact. 2011-01-11 [PMID: 21232532]

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**Products Related to H00001646-M03**

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00001646-P01-10ug	Recombinant Human AKR1C2 GST (N-Term) Protein

**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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