

Product Datasheet

AKR1A1 Antibody (1A11-2A4) - Azide and BSA Free H00010327-M01

Unit Size: 0.1 mg

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

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H00010327-M01

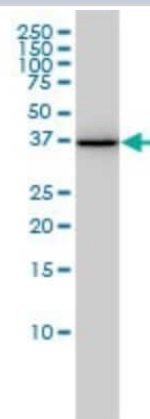
AKR1A1 Antibody (1A11-2A4) - Azide and BSA Free

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	1A11-2A4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Host	Mouse
Gene ID	10327
Gene Symbol	AKR1A1
Species	Human
Reactivity Notes	Human. Other species not tested.
Specificity/Sensitivity	AKR1A1 - aldo-keto reductase family 1, member A1 (aldehyde reductase)
Immunogen	AKR1A1 (AAH00670, 1 a.a. ~ 325 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MAASCVLLHTGQKMPLIGLTWKSEPGQVKA AVKYALSVGYRHIDCAAIYGNE PEIGEALKEDVGPGKAVPREELFVTSKLWNTKHHPEDVEPALRKTLADLQLEYL DLYLMHWPYAFERGDNPFPKNADGTICYDSTHYKETWKALEALVAKGLVQAL GLSNFNSRQIDDILSVASVRPAVLQVECHPYLAQNELIAHCQARGLEVTAYSPL GSSDRAWRPDEPVLLEEPVVLALAEKYGRSPAQILLRWQVQRKVICIPKSITP SRILQNIKVFDFTFSPPEMKQLNALNKNWRYIVPMLTVDGKRVPRDAGHPLYPF NDPY
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA
Application Notes	Antibody reactive against cell lysate and recombinant protein for Western Blot. Has also been used for immunohistochemistry (paraffin) and ELISA.

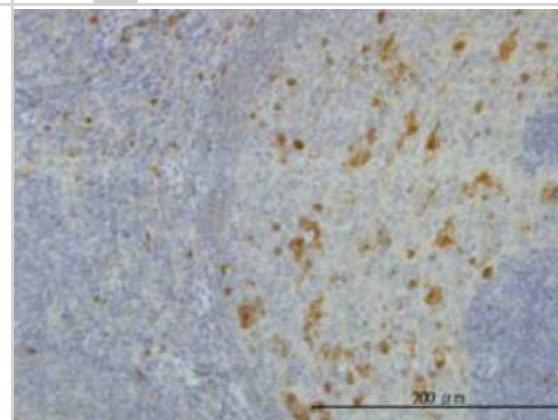


Images

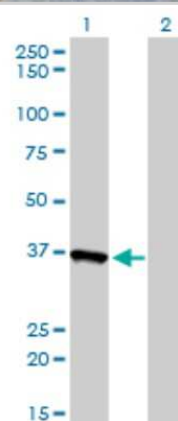
Western Blot: AKR1A1 Antibody (1A11-2A4) [H00010327-M01] - AKR1A1 monoclonal antibody (M01), clone 1A11-2A4 Analysis of AKR1A1 expression in HL-60.



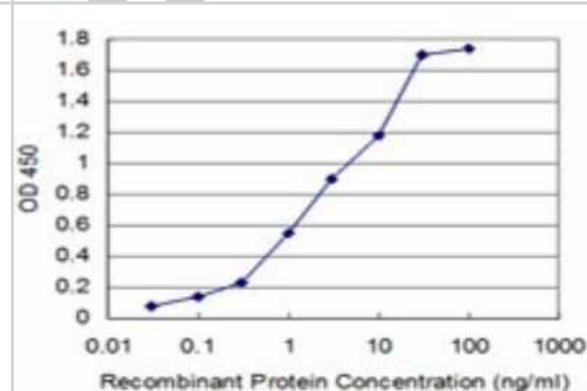
Immunohistochemistry-Paraffin: AKR1A1 Antibody (1A11-2A4) [H00010327-M01] - Analysis of monoclonal antibody to AKR1A1 on formalin-fixed paraffin-embedded human tonsil. Antibody concentration 0.75 ug/ml.



Western Blot: AKR1A1 Antibody (1A11-2A4) [H00010327-M01] - Analysis of AKR1A1 expression in transfected 293T cell line by AKR1A1 monoclonal antibody (M01), clone 1A11-2A4. Lane 1: AKR1A1 transfected lysate (36.6 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: AKR1A1 Antibody (1A11-2A4) [H00010327-M01] - Detection limit for recombinant GST tagged AKR1A1 is approximately 0.1 ng/ml as a capture antibody.



Publications

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]

Bains OS, Takahashi RH, Pfeifer TA et al. Two allelic variants of aldo-keto reductase 1A1 exhibit reduced in vitro metabolism of daunorubicin. *Drug Metab Dispos*;36(5):904-10. 2008-05-01 [PMID: 18276838]

Singer D, Herth N, Kuhlmann J et al. Mapping of phosphorylation-dependent anti-tau monoclonal antibodies in immunoblots using human tau-constructs synthesized by native chemical ligation. *Biochem Biophys Res Commun*;367(2):318-22. 2008-03-07 [PMID: 18162172]



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Products Related to H00010327-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-30170	Recombinant Human AKR1A1 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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