

# Product Datasheet

## Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody NB100-2563

Unit Size: 0.1 mg

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

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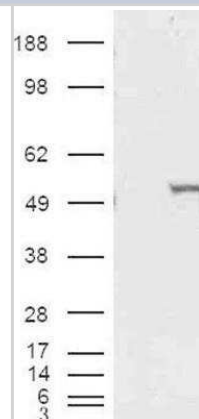
**NB100-2563****Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	55 kDa
Product Description	
Host	Goat
Gene ID	216
Gene Symbol	ALDH1A1
Species	Human
Marker	Astrocyte Marker
Immunogen	Peptide with sequence C-RELGEYGFHEYTE corresponding to internal region according to NP_000680.2.
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Peptide ELISA
Recommended Dilutions	Western Blot 1 - 3 ug/ml, Immunohistochemistry, Immunohistochemistry-Paraffin 5 ug/ml, Peptide ELISA Detection limit 1:32000
Application Notes	WB: Approx. 55 kDa band observed in human liver lysates (calculated MW of 54.9 kDa band according to NP_000680.2). IHC: Paraffin embedded Human Testis.

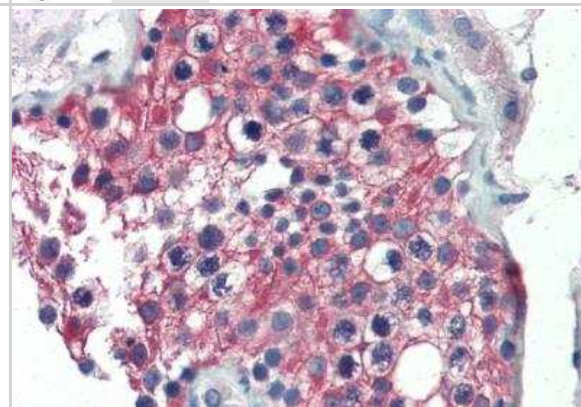


## Images

Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NB100-2563] - HEK293 overexpressing ALDH1A1 and probed with NB100-2563 (mock transfection in first lane).



Immunohistochemistry-Paraffin: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NB100-2563] - (5ug/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blot: Aldehyde Dehydrogenase 1-A1/ALDH1A1 Antibody [NB100-2563] - (1ug/ml) Analysis of Human Liver Lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



## Publications

Everts HB, King LE Jr, Sundberg JP, Ong DE. Hair cycle-specific immunolocalization of retinoic acid synthesizing enzymes Aldh1a2 and Aldh1a3 indicate complex regulation. *J Invest Dermatol* 2004-08-01 [PMID: 15245423]

Cai J, Yang M, Poremsky E et al. Dopaminergic neurons derived from human induced pluripotent stem cells survive and integrate into 6-OHDA-lesioned rats. *Stem Cells Dev* 2010-07-01 [PMID: 19824823]



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### **Products Related to NB100-2563**

NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
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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