

# Product Datasheet

## ALDH5A1 Antibody NBP1-52099

Unit Size: 0.1 mg

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

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**NBP1-52099**

## ALDH5A1 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 |

| Product Description     |  |
|-------------------------|--|
| Description             | Novus Biologicals Goat ALDH5A1 Antibody (NBP1-52099) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-ALDH5A1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host                    | Goat   |
| Gene ID                 | 7915   |
| Gene Symbol             | ALDH5A1  |
| Species                 | Human, Mouse, Rat  |
| Specificity/Sensitivity | This antibody is expected to recognize both reported isoforms (NP_733936.1; NP_001071.1). Amino acid numbering in name calculated from NP_733936.1.  |
| Immunogen               | Peptide with sequence C-SQDPAQIWRVAE corresponding to internal region according to NP_001071.1.  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA   |
| Recommended Dilutions       | Western Blot 0.3 - 1 ug/ml, Immunohistochemistry 5 - 10 ug/ml, Immunohistochemistry-Paraffin 1:10-1:500, Peptide ELISA Detection limit 1:32000   |
| Application Notes           | WB: Approx. 55 kDa band observed in human liver lysates (calculated MW of 58.7 kDa band according to NP_733936.1). Please note that both this product and EB10436 detects a 50 kDa band in mouse and rat liver lysates (calculated MW of 56.0 kDa band according to mouse NP_766120.1). IHC-P: Human liver shows heavy textured cytoplasm staining in hepatocytes, consistent with mitochondria. |

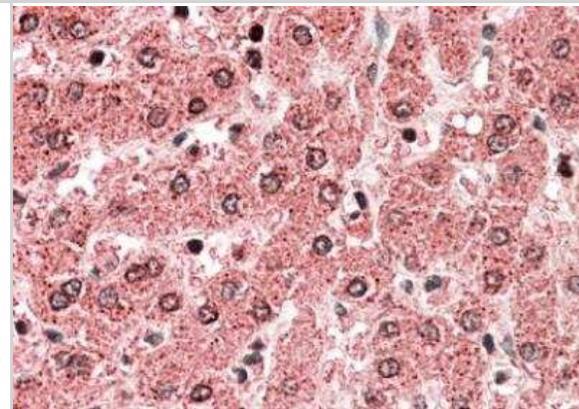


## Images

Western Blot: ALDH5A1 Antibody [NBP1-52099] (0.5ug/ml) staining of Human Liver lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa  
150kDa  
100kDa  
75kDa  
50kDa  
37kDa  
25kDa  
20kDa  
15kDa

Immunohistochemistry-Paraffin: ALDH5A1 Antibody [NBP1-52099] - (5g/ml) staining of paraffin embedded Human Liver. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Joslyn G, Ravindranathan A, Brush G et al. Human variation in alcohol response is influenced by variation in neuronal signaling genes. Alcohol Clin Exp Res 2010-05-01 [PMID: 20201926]



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### **Products Related to NBP1-52099**

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|                   |  |
|-------------------|--|
| 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   |
| NBP1-48596-0.05mg | Recombinant Human ALDH5A1 His Protein                                  |

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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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