

# Product Datasheet

## Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody - BSA Free NBP2-47551

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-47551****Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody - BSA Free**

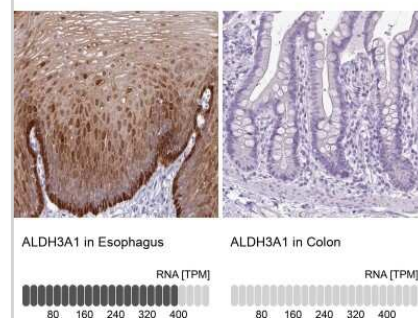
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	218
<b>Gene Symbol</b>	ALDH3A1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (81%)
<b>Immunogen</b>	This antibody was developed against a recombinant protein corresponding to amino acids: NSGMGSYHGKKSFFETFSHRRSCLVRPLMNDEGLKVRYPSPAKMTQH

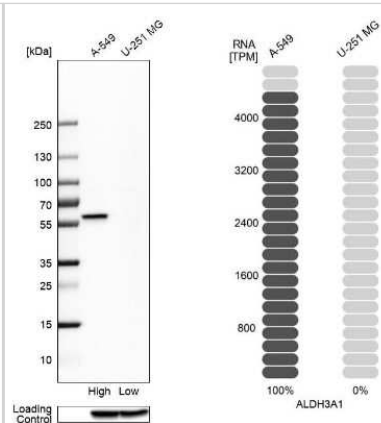
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

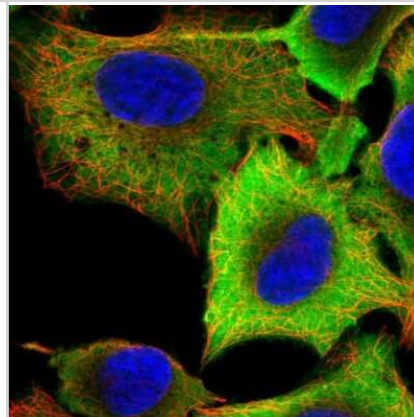
Immunohistochemistry-Paraffin: Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody [NBP2-47551] - Staining in human esophagus and colon tissues using anti-ALDH3A1 antibody. Corresponding ALDH3A1 RNA-seq data are presented for the same tissues.



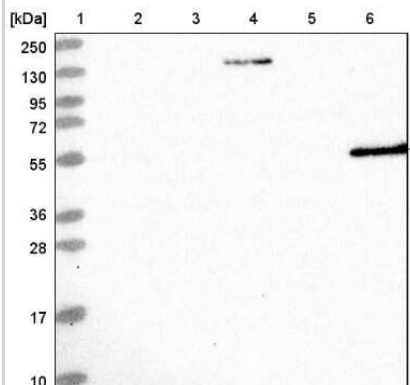
Western Blot: Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody [NBP2-47551] - Analysis in human cell lines A-549 and U-251MG using anti-ALDH3A1 antibody. Corresponding ALDH3A1 RNA-seq data are presented for the same cell lines. Loading control: anti-GAPDH.



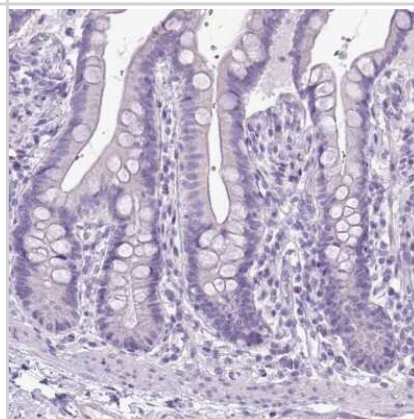
Immunocytochemistry/Immunofluorescence: Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody [NBP2-47551] - Immunofluorescent staining of human cell line A549 shows localization to plasma membrane & cytosol.



Western Blot: Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody [NBP2-47551] - Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 10. Lane 2: Human cell line RT-4. Lane 3: Human cell line U-251MG. Lane 4: Human plasma (IgG/HSA depleted). Lane 5: Human liver tissue. Lane 6: Human tonsil tissue.



Immunohistochemistry-Paraffin: Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody [NBP2-47551] - Staining of human colon shows low expression as expected.



Immunohistochemistry-Paraffin: Aldehyde Dehydrogenase 3-A1/ALDH3A1 Antibody [NBP2-47551] - Staining of human esophagus shows high expression.





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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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