

# Product Datasheet

## ALDH1A3 Antibody (CL11968) - Azide and BSA Free NBP3-44356

Unit Size: 100 ul

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

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**NBP3-44356**

ALDH1A3 Antibody (CL11968) - Azide and BSA Free

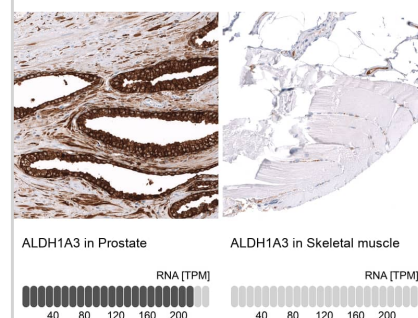
Product Information	
Unit Size	100 ul
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL11968
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2a
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Host	Mouse
Gene ID	220
Gene Symbol	ALDH1A3
Species	Human
Immunogen	This antibody was generated using a synthetic peptide of P47895, with the exact immunogen sequence remaining proprietary.

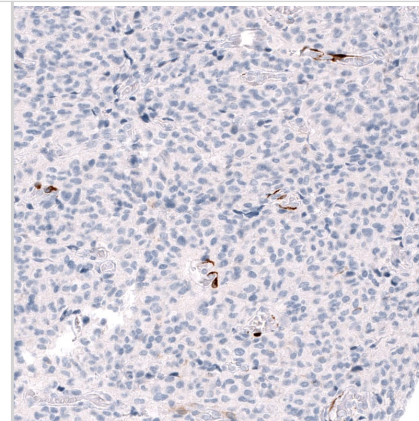
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence, PFA/Triton X-100 is recommended for fixation/permeabilization.

**Images**

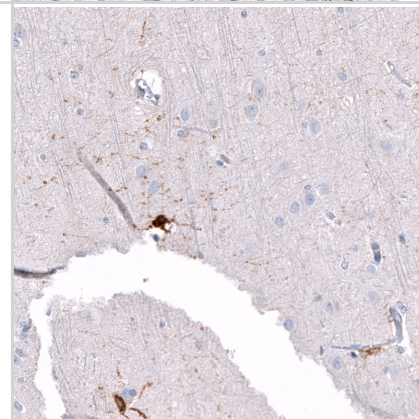
Analysis in human prostate and skeletal muscle tissues using NBP3-44356 antibody. Corresponding ALDH1A3 RNA-seq data are presented for the same tissues.



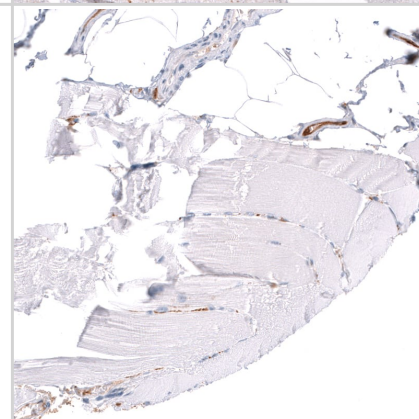
Staining of human anaplastic oligodendroglioma shows strong cytoplasmic positivity in a subset of cells.



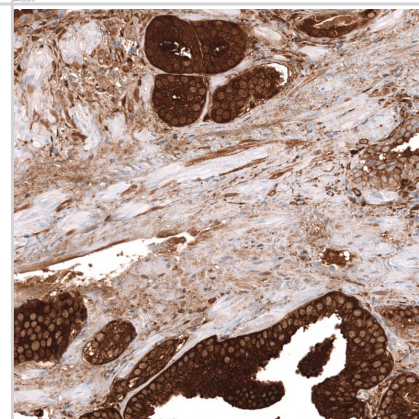
Staining of human cerebral cortex shows strong cytoplasmic positivity in glial cells.



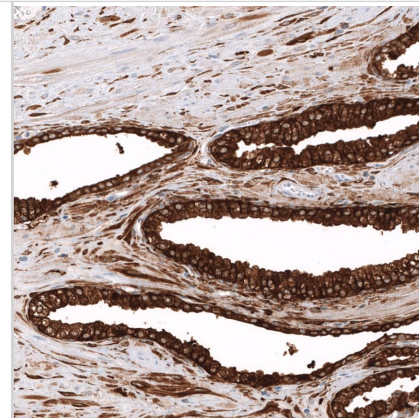
Staining of human skeletal muscle shows no positivity in myocytes as expected.



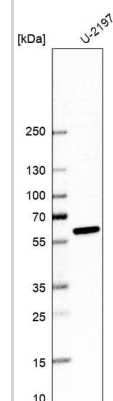
Staining of human prostate cancer shows strong cytoplasmic positivity in tumor cells.



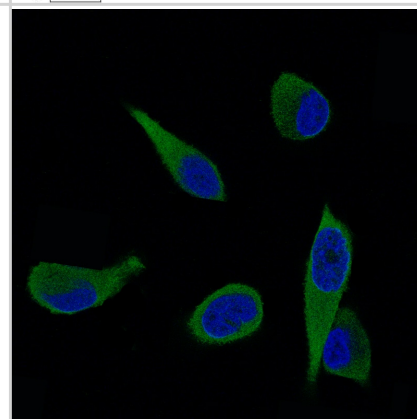
Staining of human prostate shows strong cytoplasmic positivity in glandular cells.



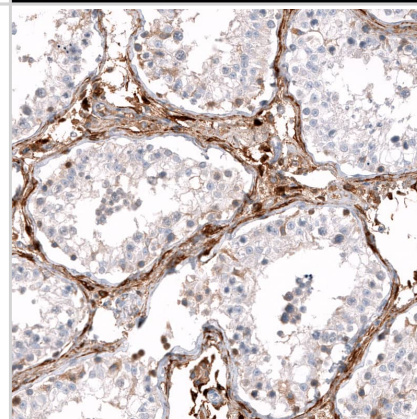
Analysis in human cell line U-2197.



Staining of PC-3 cells using the Anti-ALDH1A3 monoclonal antibody, showing specific staining in cytosol in green. Nuclear probe is visualized in blue.



Staining of human testis shows moderate to strong cytoplasmic positivity in peritubular myoid cells.





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### **Products Related to NBP3-44356**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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