

## Product datasheet for **TA590756**

### Aldehyde dehydrogenase 10 (ALDH3A2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	WB 1:5000, IHC 1:150, IF 1:500, ELISA 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the N Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	1.1mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	aldehyde dehydrogenase 3 family member A2
Database Link:	<a href="#">NP_001026976</a> <a href="#">Entrez Gene 224 Human P51648</a>
Background:	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This gene product catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid. Mutations in the gene cause Sjogren-Larsson syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Synonyms:	ALDH10; FALDH; SLS
Note:	This antibody was generated by SDIX's Genomic Antibody Technology® (GAT). <a href="#">Learn about GAT</a>

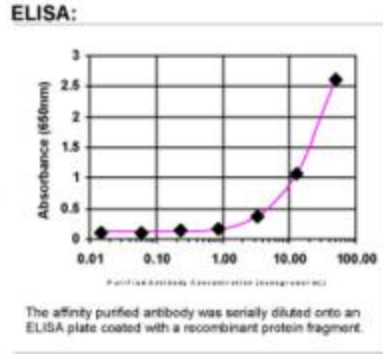


[View online »](#)

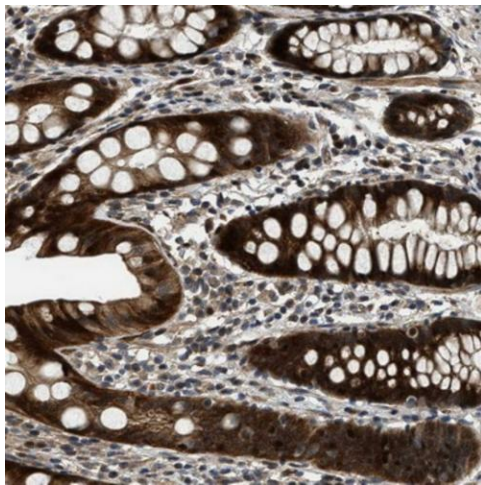
**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Arginine and proline metabolism, Ascorbate and aldarate metabolism, beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Histidine metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation

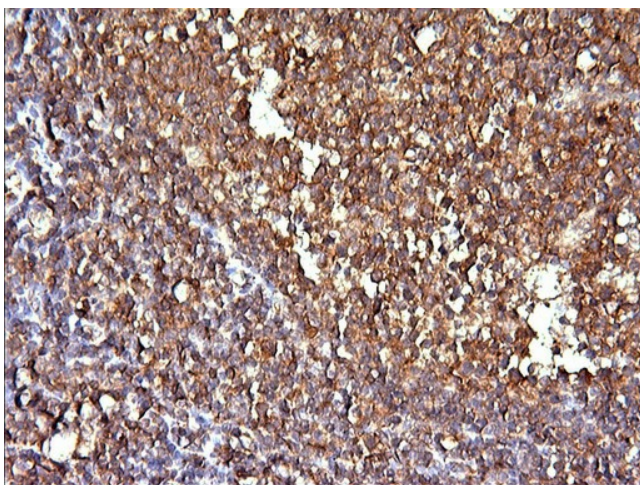
**Product images:**



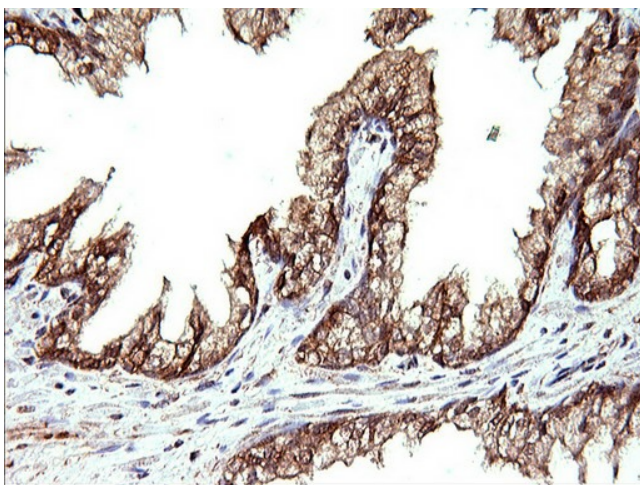
ELISA: Aldehyde dehydrogenase 10 Antibody



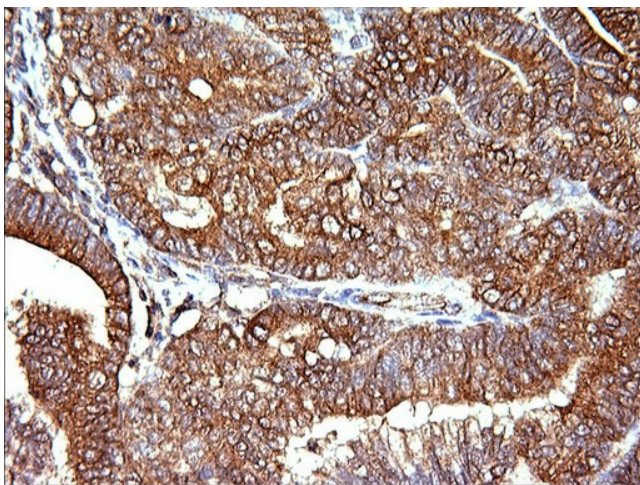
Immunohistochemical staining of human rectum shows strong cytoplasmic and nuclear positivity in glandular cells. This validation was performed by Protein Atlas and the presentation of data is for informational purposes only. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human lymph node tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

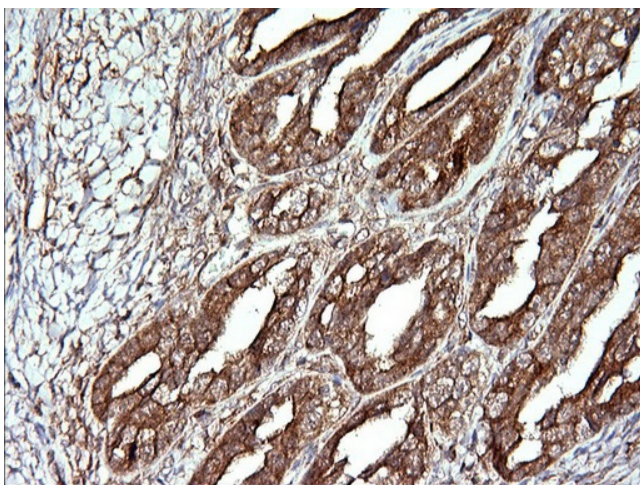


Immunohistochemical staining of paraffin-embedded Human prostate tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

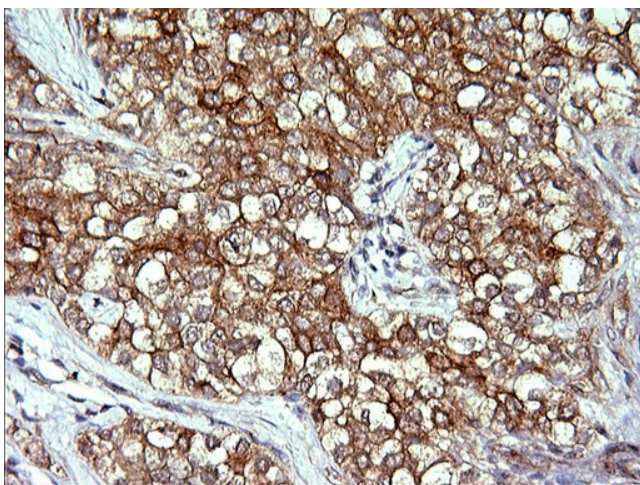


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

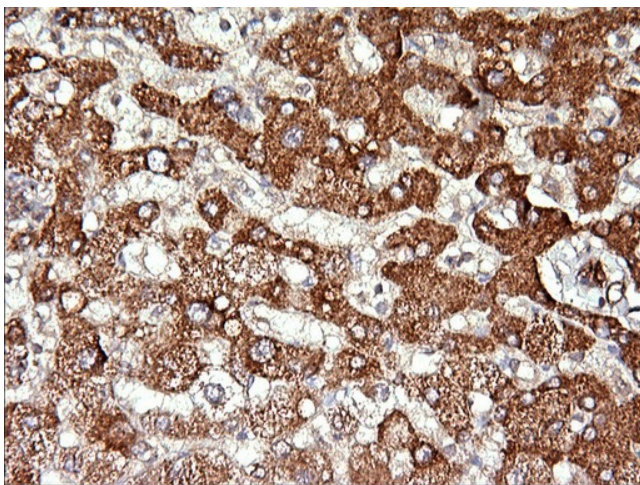




Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

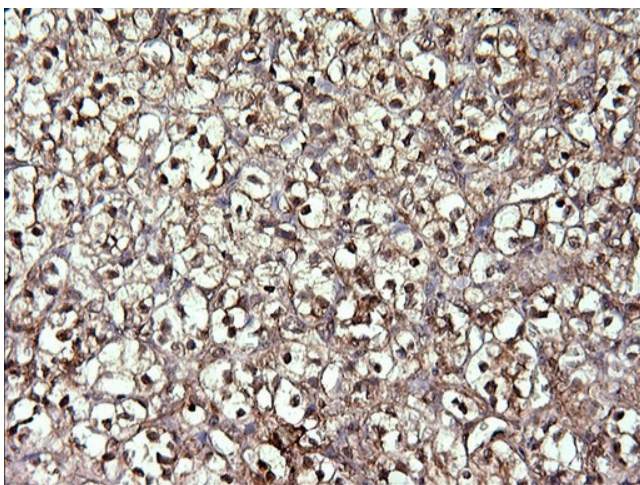


Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

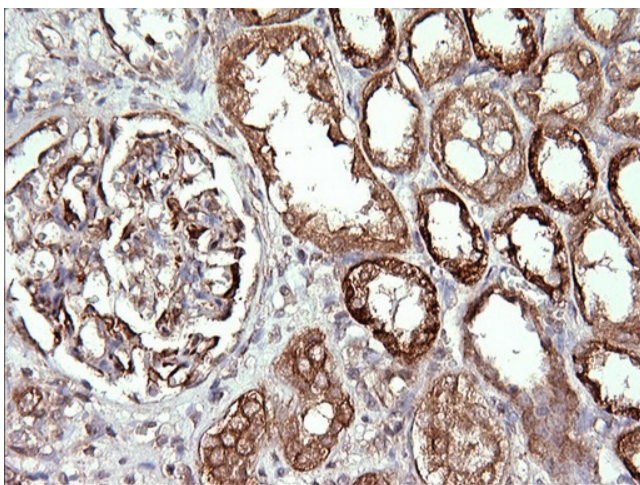


Immunohistochemical staining of paraffin-embedded Human liver tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

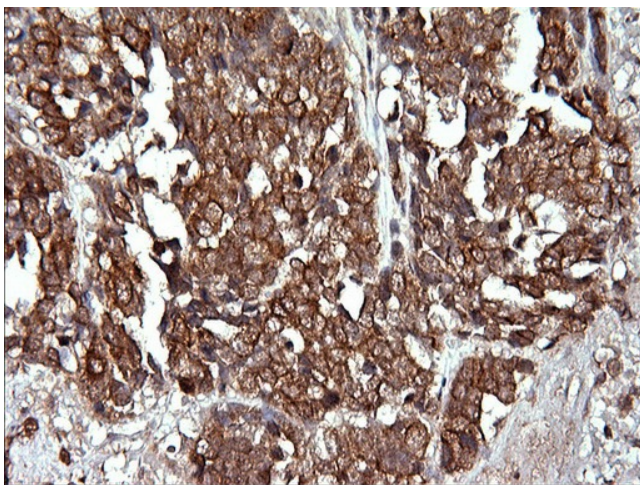




Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

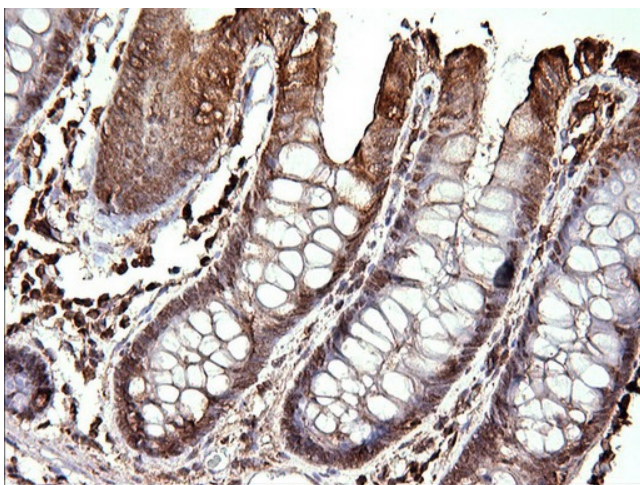


Immunohistochemical staining of paraffin-embedded Human Kidney tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

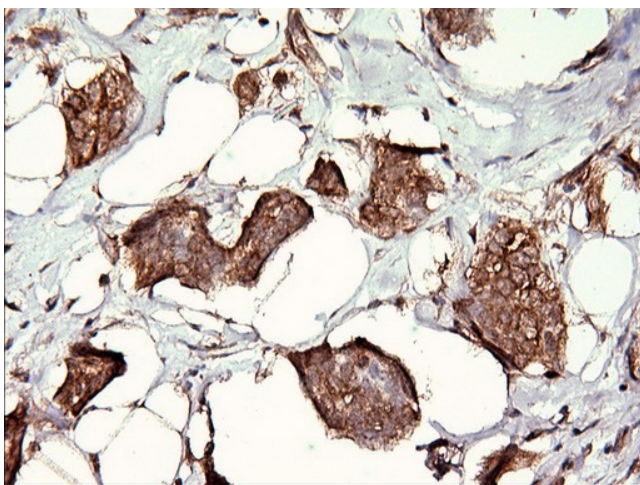


Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.

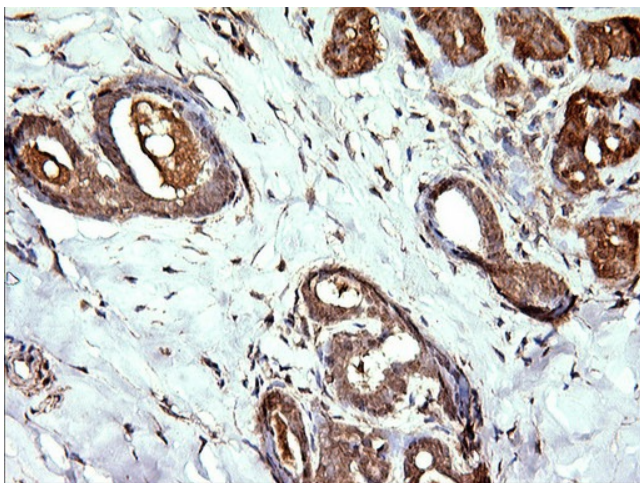




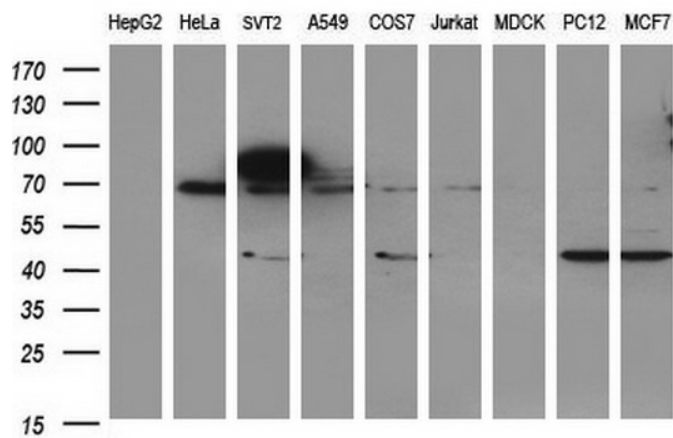
Immunohistochemical staining of paraffin-embedded Human colon tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



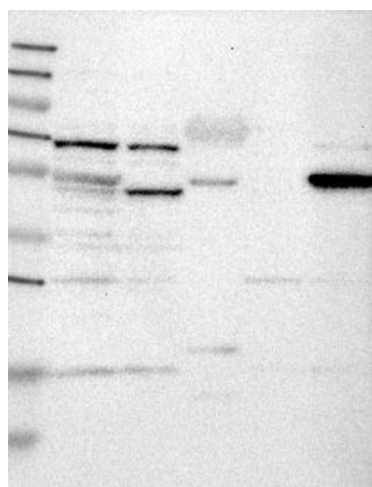
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human breast tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



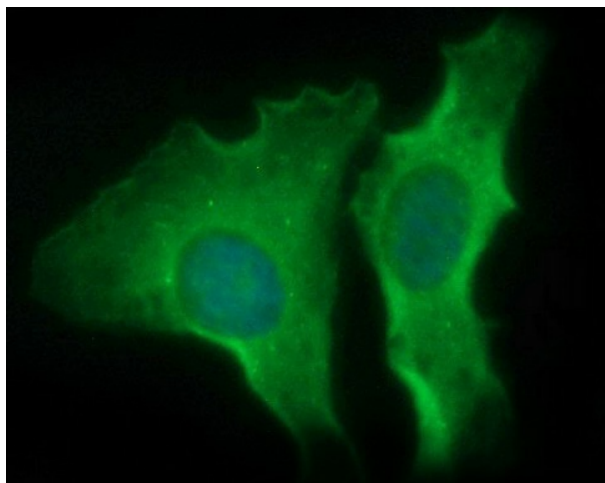
Immunohistochemical staining of paraffin-embedded Human breast tissue using anti-ALDH3A2 rabbit polyclonal antibody. (TA590756). Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



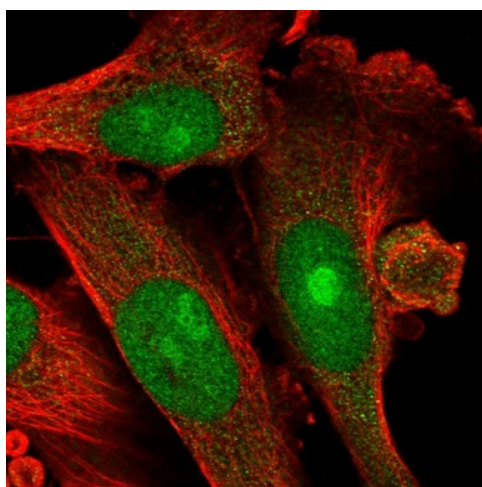
Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-ALDH3A2 polyclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Lane 1: Marker [kDa] 250, 130, 95, 72, 55, 36, 28, 17, 11; Lane 2: RT-4; Lane 3: U-251 MG; Lane 4: Human Plasma; Lane 5: Liver; Lane 6: Tonsil This validation was performed by Protein Atlas and the presentation of data is for informational purposes only.



Immunofluorescent staining of HeLa cells using anti-ALDH3A2 rabbit polyclonal antibody (TA590756).



Immunofluorescent staining of human cell line U-251 MG shows positivity in nucleus & nucleoli. This validation was performed by Protein Atlas and the presentation of data is for informational purposes only.