

## Product Datasheet

### ALDH1A1 Antibody (Center) (orb1927171)

<b>Catalog Number</b>	orb1927171
<b>Category</b>	Antibodies
<b>Description</b>	Purified Rabbit Polyclonal Antibody (Pab)
<b>Target</b>	ALDH1A1 (HGNC:402)
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	Rabbit IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form/Appearance</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Immunogen</b>	This ALDH1A1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 306-339 amino acids from the Central region of human ALDH1A1.
<b>UniProt ID</b>	<b>P00352</b>
<b>MW</b>	54862 Da
<b>Tested applications</b>	IF, IHC-P, WB
<b>Dilution range</b>	IF - 1:25, WB - 1:1000, IHC-P-Leica - 1:500
<b>Clone Number</b>	BTD60390

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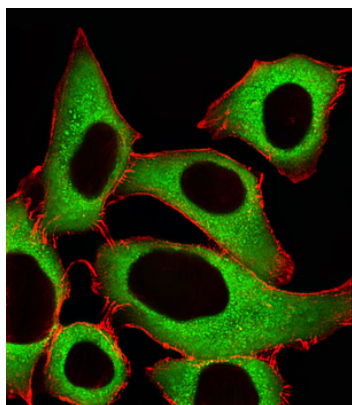
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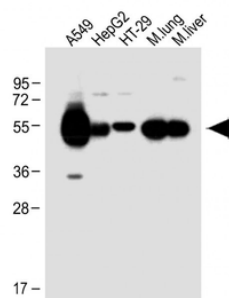
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Fluorescent image of A549 cells stained with ALDH1A1 Antibody (Center). Diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



All lanes: Anti-ALDH1A1 Antibody (Center) at 1:1000 dilution.  
Lane 1: A549 whole cell lysate. Lane 2: HepG2 whole cell lysate.  
Lane 3: HT-29 whole cell lysate. Lane 4: Mouse lung lysate.  
Lane 5: Mouse liver lysate. Lysates/proteins at 20 µg per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 55 kDa.  
Blocking/Dilution buffer: 5% NFDM/TBST.

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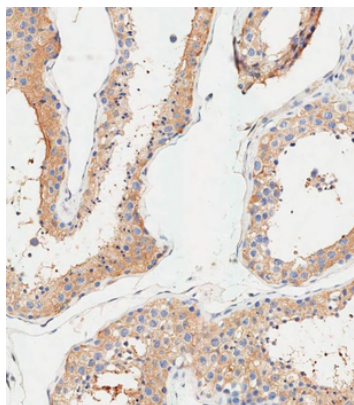
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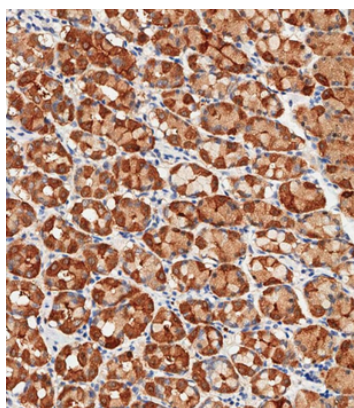
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Immunohistochemical analysis of paraffin-embedded Human testis tissue was performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of paraffin-embedded Human stomach tissue was performed on the Leica BOND RXm. Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9.0). Samples were incubated with primary antibody (1:500) for 1 hours at room temperature. A undiluted biotinylated CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

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