Mouse anti-Human LDHA / LDH1 Monoclonal Antibody | anti-LDHA antibody

Mouse Monoclonal (IgG2b,k) to Human LDHA / LDH1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51855	**Mouse**	**Human**	**Immunohistochemistry**

PRODUCT SYNONYMS

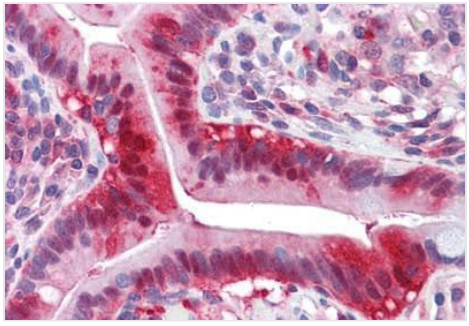
LDHA / LDH1; Monoclonal Antibody; Mouse Monoclonal (IgG2b; k) to Human LDHA / LDH1; Anti-LDHA / LDH1 Antibody IHC-plus; LDHA; LDH muscle subunit; LDH1; Lactate dehydrogenase M; LDH-M; GSD11; Lactate dehydrogenase A; LDH-A; LDHM; PIG19; Proliferation-inducing gene 19; Human LDHA; anti-LDHA antibody

PRODUCT SPECIFICATIONS

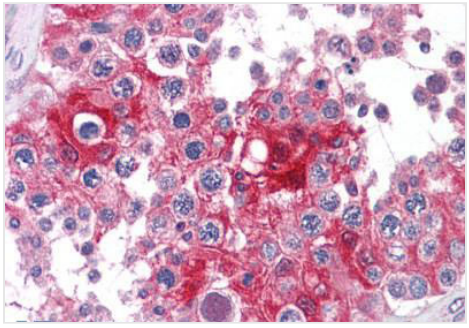
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Purity/Purification	Protein G Purified
Form/Format	Phosphate buffered saline, pH 7.4, 0.1% sodium azide
Concentration	1 mg/ml (varies by lot)
Sequence Length	332
Applicable Applications for anti-LDHA antibody	IHC (Immunohistochemistry)
Immunogen Species	Homo sapiens (Human)
Immunogen	Recombinant human LDHA (1-332aa) purified from E.coli
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: **Tissue Preparation:** Formalin fixation and embedding in paraffin wax. **Tissue Sectioning:** Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. **Deparaffinization:** Wash dry slides in 3 changes of xylene - 5 minutes each @ RT **Rehydration:** Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT **Antigen retrieval:** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT **Immunostaining:** (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT **Dehydrate:** (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Store at 4°C or -20°C, Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohiostchemistry)
Anti-LDHA antibody IHC of human small intestine. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



IHC (Immunohistochemistry)
Anti-LDHA antibody IHC of human testis. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031857
NCBI GeneID	3939
NCBI Accession #	NP_005557.1
NCBI GenBank Nucleotide #	NM_005566.3
UniProt Accession #	P00338; Q53G53; Q6IBM7; Q6ZNV1; Q9UDE8; Q9UDE9; B4DKQ2; B7Z5E3; D3DQY3; F8W819
NCBI Official Full Name	L-lactate dehydrogenase A chain isoform 1
NCBI Official Synonym Full Names	lactate dehydrogenase A
NCBI Official Symbol	LDHA
NCBI Official Synonym Symbols	LDH1; LDHM; GSD11; PIG19; HEL-S-133P
NCBI Protein Information	L-lactate dehydrogenase A chain; LDH-A; LDH-M; LDH muscle subunit; lactate dehydrogenase M; proliferation-inducing gene 19; renal carcinoma antigen NY-REN-59; cell proliferation-inducing gene 19 protein; epididymis secretory sperm binding protein Li 133P
UniProt Protein Name	L-lactate dehydrogenase A chain
UniProt Gene Name	**LDHA**
UniProt Synonym Gene Names	LDH-A; LDH-M
UniProt Entry Name	LDHA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/ldha-ldh1-antibody-immunohistochemistry-elisa/51855