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EB07977 - Goat Anti-LDHC (aa 217 - 231) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: LDHC, MGC111073, lactate dehydrogenase C, LDH3, LDHX
Official Symbol: LDHC
Accession Number(s): NP_002292.1; NP_059144.1
Human GeneID(s): 3948
Non-Human GeneID(s): 16833 (mouse)
Important Comments: Both variants represent identical product (NP_002292.1 and NP_059144.1).

Immunogen

Peptide with sequence C-KLGTDSDKEHWKNIH, from the Internal region of the protein sequence according to NP_002292.1; NP_059144.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.
Western blot: Approx 30-35kDa band observed in Mouse Testis lysates (calculated MW of 36.6kDa according to human NP_002292.1 and 35.9kDa according to mouse NP_038608.1). Recommended concentration: 0.03-0.1µg/ml. This antibody has been successfully used in WB on Mouse, PMID: 36464740.
IHC: In paraffin embedded Mouse Testis shows strong signal in seminiferous tubules of Mouse Tesits. Recommended concentration, 1-2µg/ml. This antibody has been successfully used in IHC on Mouse, PMID: 36464740.

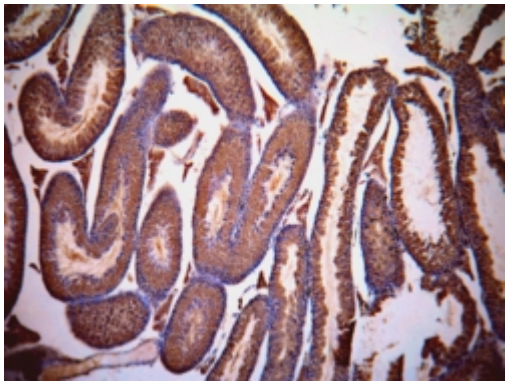
Species Reactivity

Tested: Mouse
Expected from sequence similarity: Human, Mouse

Specific Reference

This antibody has been successfully used in WB and IHC on Mouse:
Rie Iida-Norita, Haruhiko Miyata, Yuki Kaneda, Chihiro Emori, Taichi Noda, Tatsuya Nakagawa, Martin M Matzuk, Masahito Ikawa
Generation of humanized LDHC knock-in mice as a tool to assess human LDHC-targeting contraceptive drugs.
Andrology. 2023 Jul;11(5):840-848.
PMID: 36464740

EB07977 (0.03µg/ml) staining of Mouse Testis lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07977 (1µg/ml) staining of paraffin embedded Mouse Testis. Data kindly provided by Dr. Erwin Goldberg, Northwestern University, Evanston, IL USA.