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Research Use Only. Not for diagnostic or therapeutic use.

EB09544 - Goat Anti-CA1 Antibody

Size: 100µg specific antibody in 200µl

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Target Protein

Principal Names: CA1, carbonic anhydrase I, Car1, carbonic dehydratase Official Symbol: CA1 Accession Number(s): NP_001729.1 Human GenelD(s): 759 Non-Human GenelD(s): 12346 (mouse), 310218 (rat) Important Comments: Reported variants represent identical protein: NP_001729.1, NP_001122303.1, NP_001122302.1, NP_001122301.1.

Immunogen

Peptide with sequence C-QAIKTKGKRAP, from the internal region of the protein sequence according to NP_001729.1.

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.

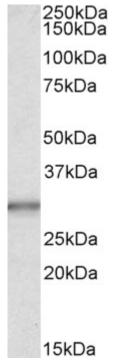
Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.Western blot: Approx 29kDa band observed in Human Liver lysates (calculated MW of28.9kDa according to NP_001729.1. Recommended concentration: 0.03-0.1µg/ml.Primary incubation was 1 hour.IHC: Paraffin embedded Human Spleen. Recommended concentration: 2.5µg/ml.

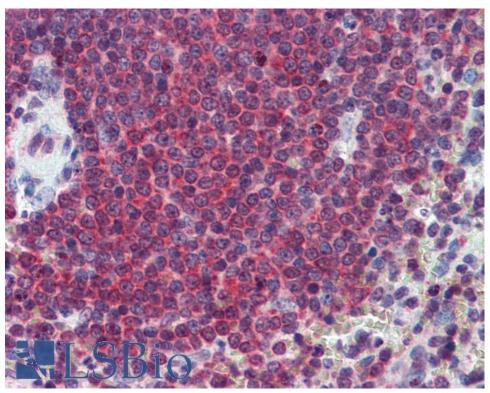
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



EB09544 (0.03µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB09544 (2.5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.