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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB09544 - Goat Anti-CA1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CA1, carbonic anhydrase I, Car1, carbonic dehydratase

Official Symbol: CA1

Accession Number(s): NP_001729.1

Human GeneID(s): [759](#)

Non-Human GeneID(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.

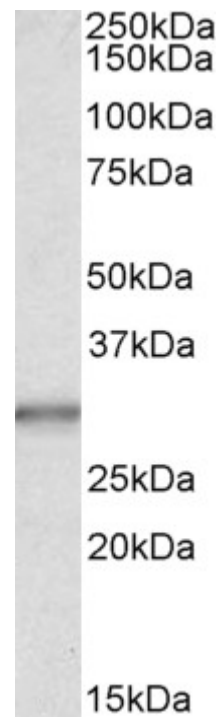
Western blot: Approx 29kDa band observed in Human Liver lysates (calculated MW of 28.9kDa according to NP_001729.1. Recommended concentration: 0.03-0.1µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Spleen. Recommended concentration: 2.5µg/ml.

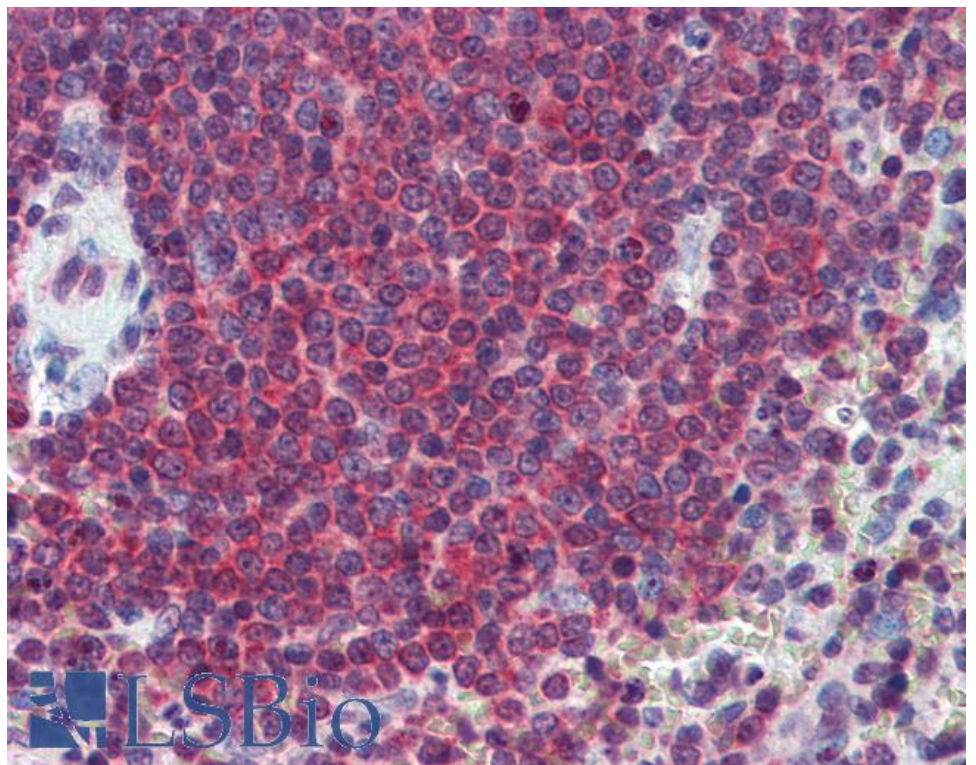
Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat



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



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