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Research Use Only. Not for diagnostic or therapeutic use.

EB11759 - Goat Anti-calbindin D28 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CALB, CALB1, calbindin, calbindin 1, (28kD), calbindin 1, 28kDa, calbindin D28, D-28K, OTTHUMP00000166027, OTTHUMP00000225441, RTVL-H

protein, vitamin D-dependent calcium-binding protein, avian-type

Official Symbol: CALB1

Accession Number(s): NP_004920.1

Human GeneID(s): 793

Non-Human GenelD(s): 83839 (rat)

Important Comments: Immunizing peptide overlaps EF hand 2, but not any calcium

binding site.

Immunogen

Peptide with sequence C-KTFVDQYGQRDDGK, from the internal region of the protein sequence according to NP_004920.1.

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 1:128000.

Western blot: Approx. 26kDa band observed in Human and Rat Kidney lysates and in Rat Brain lysates (calculated MW of 30.0kDa according to Human NP_004920.1and Rat NP_114190.1). The observed molecular weight is routinely observed by other sources. Recommended concentration: 0.1-0.3μg/ml. Primary incubation 1 hour at room temperature.

IHC: Paraffin embedded Human Kidney. Recommended concentration: 5-7µg/ml.

Species Reactivity

Tested: Human, Rat

Expected from sequence similarity: Human, Rat, Dog, Pig, Cow

Specific Reference

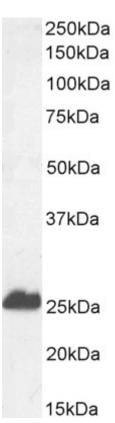
This antibody (previous batch) has been successfully used in the following paper:

Azad, Tanzina

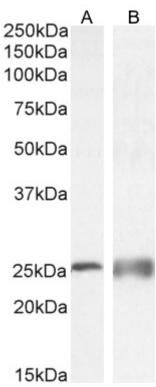
Comparative Renal Development between Spiny Mouse (Acomys cahirinus) and House Mouse (Mus musculus)

http://hdl.handle.net/10138/594531 (2025)

PMID: 0

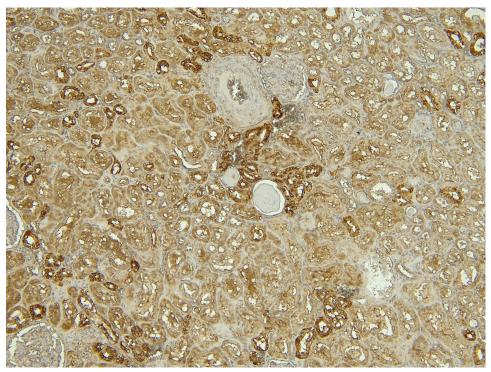


EB11759 (0.3μg/ml) staining of Human Kidney lysate, (35μg protein in RIPA buffer). Detected by chemiluminescence.

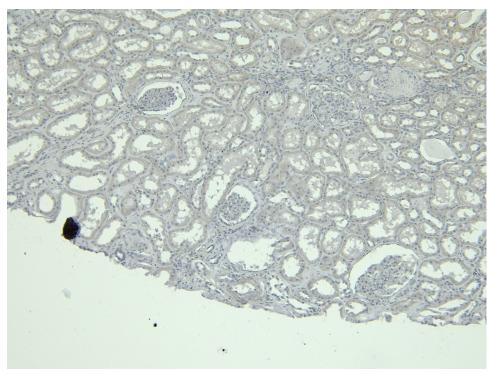


EB11759 (0.3μg/ml) staining of Rat Brain (A) and (0.1μg/ml) Kidney (B) lysate, (35μg protein in RIPA buffer).

Detected by chemiluminescence.



EB11759 ($5\mu g/ml$) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB11759 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.