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Research Use Only. Not for diagnostic or therapeutic use.

EB12627 - Goat Anti-ASIC1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ASIC1, acid-sensing (proton-gated) ion channel 1, ACCN2, ASIC, BNaC2, Cation channel, amiloride-sensitive, neuronal, 2, acid-sensing ion channel 1, acid-sensing ion channel 1a protein, amiloride-sensitive cation channel 2, neuronal, brain sodium channel 2

Official Symbol: ASIC1

Accession Number(s): NP_064423.2; NP_001086.2; NP_001243759.1

Human GeneID(s): 41

Non-Human GenelD(s): 11419 (mouse), 79123 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms

(NP_064423.2; NP_001086.2; NP_001243759.1).

Immunogen

Peptide with sequence C-NILPHHPARGT, from the C Terminus of the protein sequence according to NP_064423.2; NP_001086.2; NP_001243759.1.

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 70kDa band observed in Mouse fetal Brain lysates (calculated MW of 64.8kDa according to NP_064423.2). Recommended concentration: 0.3-1μg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Brain (Cortex) and Pancreas. Recommended concentration: 5µg/ml.

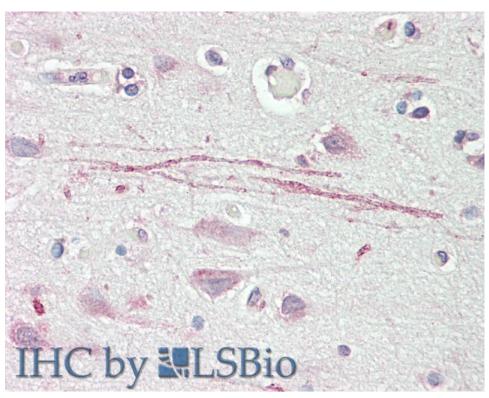
Species Reactivity

Tested: Human, Mouse

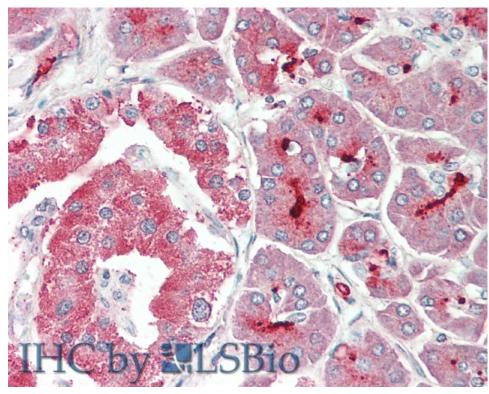
Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB12627 ($0.3\mu g/ml$) staining of Mouse fetal Brain lysate ($35\mu g$ protein in RIPA buffer). Detected by chemiluminescence.



EB12627 (5μg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB12627 ($5\mu g/ml$) staining of paraffin embedded Human Pancreas. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.