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Research Use Only. Not for diagnostic or therapeutic use.

EB08600 - Goat Anti-VGLUT1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: SLC17A7, solute carrier family 17 (sodium-dependent inorganic phosphate cotransporter), member 7, BNPI, VGLUT1, brain-specific Na-dependent inorganic phosphate cotransporter, solute carrier family 17, member 7, vesicular

glutamate transporter 1

Official Symbol: SLC17A7

Accession Number(s): NP_064705.1

Human GeneID(s): 57030

Immunogen

Peptide with sequence C-HDQLAGSDDSEMED, from the internal region of the protein sequence according to NP_064705.1.

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 1:32000.

IHC: In paraffin embedded Human Cortex shows vesicular staining amongst the many axons and dendrites. Paraffin embedded Human Adrenal Coretx. Recommended concentration: 3.75µg/ml. In paraffin embedded Mouse Brain shows staining of the periphery of the ventromedial nucleus in the hypothalamus Recommended concentration: 0.3-1µg/ml.

Immunofluorescence: This antibody has been successfully used in IF on Human, PMID: 28455787.

Species Reactivity

Tested: Human, Mouse

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

Specific Reference

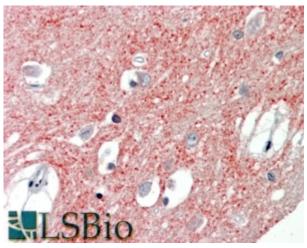
This antibody has been successfully used in IF on Human:

Lu-Kang Wang, Xin Chen, Chun-Qing Zhang, Chao Liang, Yu-Jia Wei, Jiong Yue, Shi-Yong Liu, Hui Yang

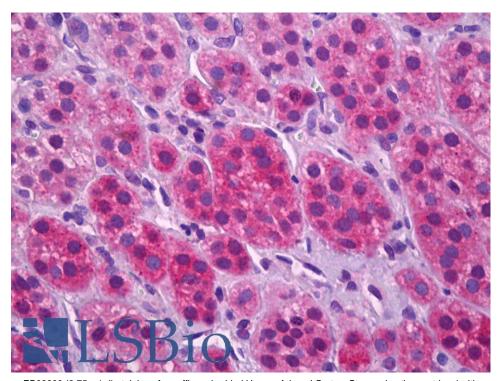
Elevated Expression of TRPC4 in Cortical Lesions of Focal Cortical Dysplasia II and Tuberous Sclerosis Complex

J Mol Neurosci. 2017 Jun;62(2):222-231.

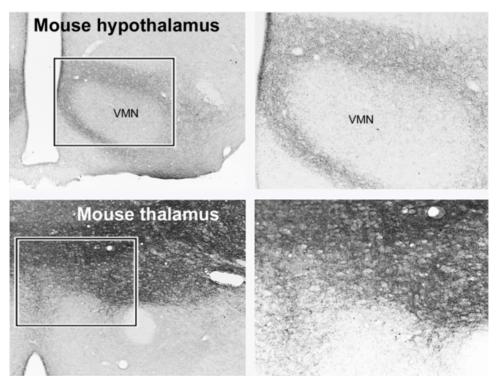
PMID: 28455787



 $EB08600~(3.75 \mu g/ml)~staining~of~paraffin~embedded~Human~Cortex.~Steamed~antigen~retrieval~with~citrate~buffer~pH~6,~AP-staining.$



EB08600 (3.75µg/ml) staining of paraffin embedded Human Adrenal Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08600 (0.25µg/ml) staining of paraffin embedded Mouse Hypothalamus and Thalamus. Antigen retrieval at 80C for 30min with citrate buffer pH 6, HRP-staining (data kindly provided by Dr. E. Hrabovszky, Budapest, Hungary