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Research Use Only. Not for diagnostic or therapeutic use.

EB05865 - Goat Anti-ALS2CR2 / ILPIP Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: STRADB, ALS2CR2, ILPIP, PAPK, ILPIPA, CALS-21, PRO1038, amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2, ILP-interacting protein ILPIPA, STE20-related kinase adaptor beta, STRAD beta, pseudokinase

ALS2CR2

Official Symbol: STRADB

Accession Number(s): NP_061041.2; AAF71042.1

Human GeneID(s): 55437

Important Comments: This is expected to recognise both human isoforms: ILPIP-alpha

(NP_061041.2) and ILPIP-beta (AAF71042.1).

Immunogen

Peptide with sequence CDFPDEKDSYWEF, from the C Terminus of the protein sequence according to NP_061041.2; AAF71042.1.

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.

Western blot: Approx 35kDa band observed in Human Heart, Liver and Muscle lysates (calculated MW of 47.0kDa according to NP_061041.2 (alpha isoform) and 31.2kDa according to AAF71042.1 (beta isoform). In transfected HEK293 transiently expressing ILPIP a band of approx. 48kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration: 1-3µg/ml.

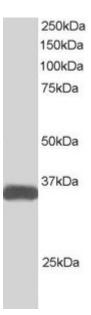
IHC: In paraffin embedded Human Heart shows staining of myocardial fibres in transverse section. Recommended concentration: 3-5µg/ml.

Immunofluorescence: Strong expression of the protein seen in the nuclei and cytoplasm of U251 cells. Recommended concentration: 10µg/ml.

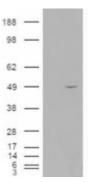
Species Reactivity

Tested: Human

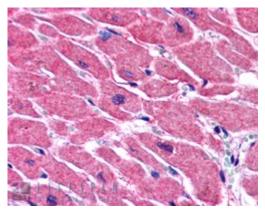
Expected from sequence similarity: Human, Dog, Cow



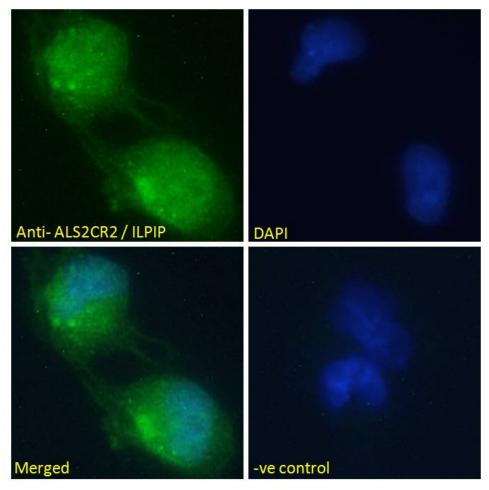
EB05865 ($1\mu g/ml$) staining of Human Heart lysate ($35\mu g$ protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



HEK293 overexpressing ILPIP (RC203432) and probed with EB05865 (mock transfection in first lane), tested by Origene.



EB05865 (3.8µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB05865 Immunofluorescence analysis of paraformaldehyde fixed U251 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).