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

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

## EB05865 - Goat Anti-ALS2CR2 / ILPIP Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

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

**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.

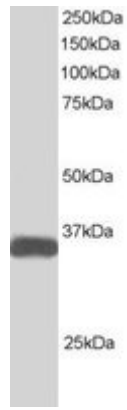
**Western blot:** Approx 35kDa band observed in Human Heart, Liver and Muscle lysates (calculated MW of 47.0kDa according to NP\_061041.2 (alpha isoform) and 31.2kDa according to AAF71042.1(beta isoform)). In transfected HEK293 transiently expressing ILPIP a band of approx. 48kDa is observed. This band is not observed in the non-transfected HEK293. Recommended concentration 1-3µg/ml.

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

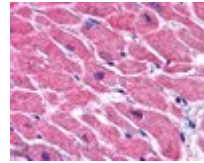
### Species Reactivity

**Tested:** Human

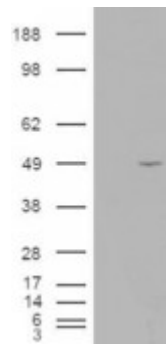
**Expected from sequence similarity:** Human, Dog, Cow



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.



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



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