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Goat Anti-ALS2CR2 / ILPIP Antibody
Peptide-affinity purified goat antibody
Catalog # AF1056a

Specification

Goat Anti-ALS2CR2 / ILPIP Antibody - Product Information

Application	**WB, IHC**
Primary Accession	Q9C0K7
Other Accession	NP_061041.2, AAF71042.1, 55437
Reactivity	**Human**
Predicted	**Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**47026**

Goat Anti-ALS2CR2 / ILPIP Antibody - Additional Information

Gene ID 55437

Other Names
STE20-related kinase adapter protein beta, STRAD beta, Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 2 protein, CALS-21, ILP-interacting protein, Pseudokinase ALS2CR2, STRADB, ALS2CR2, ILPIP

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-ALS2CR2 / ILPIP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ALS2CR2 / ILPIP Antibody - Protein Information

Name STRADB

Synonyms ALS2CR2, ILPIP

Function
Pseudokinase which, in complex with CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta), binds to and activates STK11/LKB1. Adopts a closed conformation typical of active protein kinases

and binds STK11/LKB1 as a pseudosubstrate, promoting conformational change of STK11/LKB1 in an active conformation (By similarity).

Cellular Location
Nucleus. Cytoplasm

Tissue Location
Highly expressed in heart, skeletal muscle, testis, liver and colon.

Goat Anti-ALS2CR2 / ILPIP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

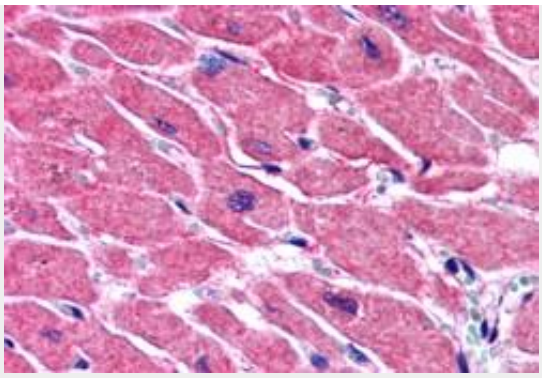
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-ALS2CR2 / ILPIP Antibody - Images

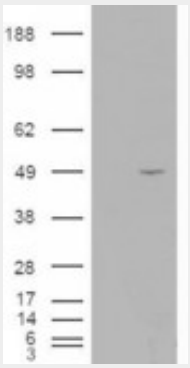


AF1056a (1 µg/ml) staining of Human Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

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AF1056a (3.8 µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



HEK293 overexpressing ILPIP (RC203432) and probed with AF1056a (mock transfection in first lane), tested by Origene.

Goat Anti-ALS2CR2 / ILPIP Antibody - Background

This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein is a component of a complex involved in the activation of serine/threonine kinase 11, a master kinase that regulates cell polarity and energy-generating metabolism. This complex regulates the relocation of this kinase from the nucleus to the cytoplasm, and it is essential for G1 cell cycle arrest mediated by this kinase. The protein encoded by this gene can also interact with the X chromosome-linked inhibitor of apoptosis protein, and this interaction enhances the anti-apoptotic activity of this protein via the JNK1 signal transduction pathway. Two pseudogenes, located on chromosomes 1 and 7, have been found for this gene.

Goat Anti-ALS2CR2 / ILPIP Antibody - References

Emerging roles of pseudokinases. Boudeau J, et al. Trends Cell Biol, 2006 Sep. PMID 16879967.
LKB1-dependent signaling pathways. Alessi DR, et al. Annu Rev Biochem, 2006. PMID 16756488.
AMP-activated protein kinase: ancient energy gauge provides clues to modern understanding of metabolism. Kahn BB, et al. Cell Metab, 2005 Jan. PMID 16054041.
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The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.