ARG63274
anti-ALS2CR2 / ILPIP antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes ALS2CR2 / ILPIP
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog
Tested Application	ICC/IF, IHC-P, WB
Specificity	This is expected to recognise both human isoforms: ILPIP-alpha (NP_061041.2) and ILPIP-beta (AAF71042.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	ALS2CR2 / ILPIP
Species	Human
Immunogen	CDFPDEKDSYWEF
Conjugation	Un-conjugated
Alternate Names	CALS-21; Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 2 protein; PAPK; STE20-related kinase adapter protein beta; STRAD beta; ILPIPA; PRO1038; Pseudokinase ALS2CR2; ILPIP; ILP-interacting protein; ALS2CR2

Application Instructions

Application table

Application	Dilution
ICC/IF	10 µg/ml
IHC-P	3 - 5 µg/ml
WB	1 - 3 µg/ml

Application Note

IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

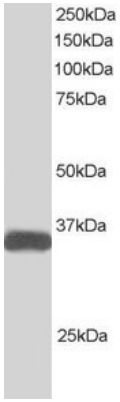
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA

Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

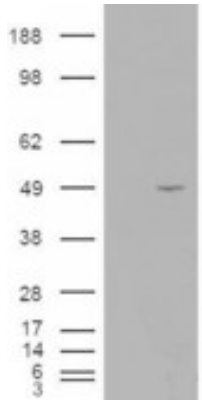
Database links	GeneID: 55437 Human Swiss-port # Q9C0K7 Human
Background	This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein 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. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2011]
Research Area	Cancer antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	47 kDa

Images



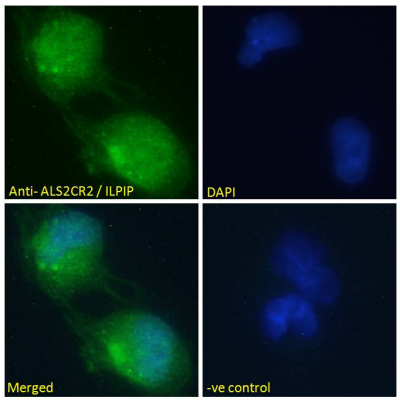
ARG63274 anti-ALS2CR2 / ILPIP antibody WB image

Western Blot: Human Heart lysate (35 µg protein in RIPA buffer) stained with ARG63274 anti-ALS2CR2 / ILPIP antibody at 1 µg/ml dilution.



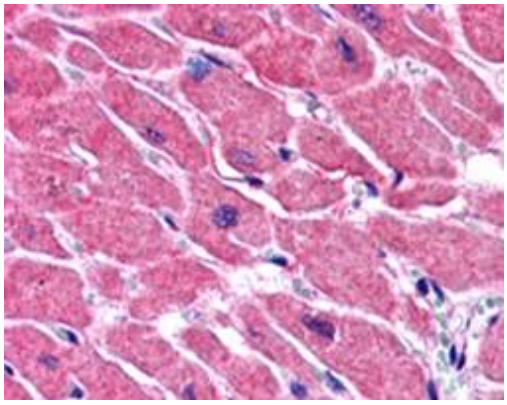
ARG63274 anti-ALS2CR2 / ILPIP antibody WB image

Western Blot: 1). Mock transfection; 2) ILPIP (RC203432) expressing plasmid transfected HEK293 cell lysate standed with ARG63274 anti-ALS2CR2 / ILPIP antibody



ARG63274 anti-ALS2CR2 / ILPIP antibody ICC/IF image

Immunofluorescence: Paraformaldehyde fixed U251 cells permeabilized with 0.15% Triton. Cells were stained with ARG63274 anti-ALS2CR2 / ILPIP antibody (green) at 10 µg/ml dilution for 1 hour. DAPI (blue) for nuclear staining. Negative control: Unimmunized goat IgG (green) at 10 µg/ml dilution.



ARG63274 anti-ALS2CR2 / ILPIP antibody IHC-P image

Immunohistochemistry: paraffin embedded Human Heart. (Steamed antigen retrieval with citrate buffer pH 6) stained with ARG63274 anti-ALS2CR2 / ILPIP antibody at 3.8 µg/ml dilution followed by AP-staining.