

ARG43910 anti-ALS2CR2 / ILPIP antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ALS2CR2 / ILPIP
Tested Reactivity	Hu
Tested Application	ELISA, FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ALS2CR2 / ILPIP
Species	Human
Immunogen	Human ALS2CR2 / ILPIP recombinant protein
Conjugation	Un-conjugated
Alternate Names	STRADB; STE20 Related Adaptor Beta; CALS-21; ILPIP; ALS2CR2; ILPIPA; PAPK; Amyotrophic Lateral Sclerosis 2 Chromosomal Region Candidate Gene 2 Protein; Amyotrophic Lateral Sclerosis 2 (Juvenile) Chromosome Region, Candidate 2; STE20-Related Kinase Adapter Protein Beta; STE20-Related Kinase Adaptor Beta; Pseudokinase ALS2CR2; STRAD Beta; ILP-Interacting Protein ILPIPA; ILP-Interacting Protein; PRO1038

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purified with Immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
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

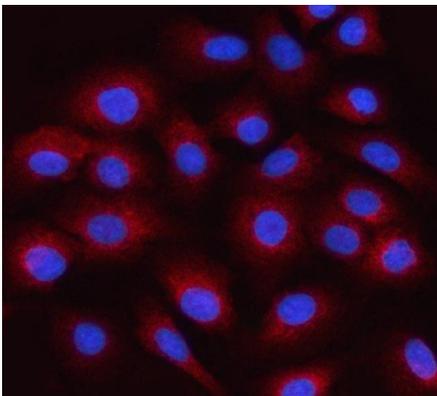
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

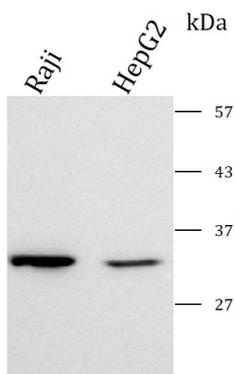
Gene Symbol	STRADB
Gene Full Name	STE20 Related Adaptor Beta
Background	This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein 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.
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.
Calculated Mw	47 kDa
Cellular Localization	Cytoplasm, Nucleus

Images



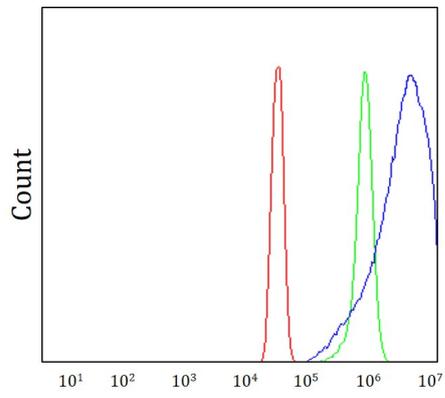
ARG43910 anti-ALS2CR2 / ILPIP antibody ICC/IF image

Immunofluorescence: A549 cells stained with ARG43910 anti-ALS2CR2 / ILPIP antibody at 5 µg/ml dilution.



ARG43910 anti-ALS2CR2 / ILPIP antibody WB image

Western blot: Raji and HepG2 stained with ARG43910 anti-ALS2CR2 / ILPIP antibody at 0.5 µg/mL dilution.



ARG43910 anti-ALS2CR2 / ILPIP antibody FACS image

Flow Cytometry: SiHa cells stained with ARG43910 anti-ALS2CR2 / ILPIP antibody (blue) at $1 \mu\text{g}/1 \times 10^6$ cells dilution.