

**ALS2CR2 Antibody (C-term L289)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7110d****Specification**

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**ALS2CR2 Antibody (C-term L289) - Product Information**

Application	WB,E
Primary Accession	<a href="#">O9C0K7</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	47026
Antigen Region	274-303

**ALS2CR2 Antibody (C-term L289) - 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

**Target/Specificity**

This ALS2CR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 274-303 amino acids from the C-terminal region of human ALS2CR2.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

**Storage**

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

**Precautions**

ALS2CR2 Antibody (C-term L289) is for research use only and not for use in diagnostic or therapeutic procedures.

**ALS2CR2 Antibody (C-term L289) - 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

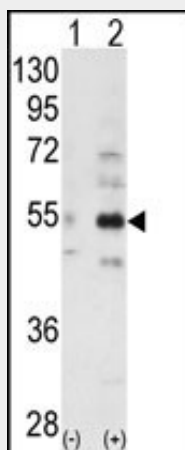
**Tissue Location**

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

**ALS2CR2 Antibody (C-term L289) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**ALS2CR2 Antibody (C-term L289) - Images**

Western blot analysis of ALS2CR2 (arrow) using ALS2CR2 Antibody (C-term L289) (Cat.#AP7110d). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the ALS2CR2 gene (Lane 2) (Origene Technologies).

**ALS2CR2 Antibody (C-term L289) - Background**

ALS2CR2 potentiates the antiapoptotic activity of XIAP by enhancing XIAP-mediated activation of JNK1 (MAPK8) and other JNK family members, but not by modulating XIAP-mediated caspase inhibition. Expression of a catalytically inactive TAK1 (MAP3K7) mutant blocks the XIAP/ALS2CR2 activation of JNK1. In vivo coprecipitation experiments show that both ALS2CR2 and XIAP interact with TAK1 and TRAF6. It has been proposed that XIAP-mediated protection from apoptosis utilizes both a JNK1 activation pathway that involves ALS2CR2 and a caspase inhibition pathway that is

independent of ALS2CR2.

#### **ALS2CR2 Antibody (C-term L289) - References**

Nishigaki, K., et al., J. Biol. Chem. 278(15):13520-13530 (2003).  
Sanna, M.G., et al., J. Biol. Chem. 277(34):30454-30462 (2002).  
Hadano, S., et al., Genomics 71(2):200-213 (2001).