

ILPIP (H-80): sc-134585

BACKGROUND

ILPIP (ILP-interacting protein), also designated amyotrophic lateral sclerosis 2 juvenile chromosome region gene 2 (ALS2CR2), interacts with X-linked IAP (XIAP), a member of the inhibitor of apoptosis protein (IAP) family. The IAP family are caspase inhibitors that block the execution phase of apoptosis. IAPs are involved in the development and progression of solid tumors and hematologic malignancies, making them a potential target for cancer therapeutics. ILPIP enhances XIAP-mediated activation of the TGF β -activated kinase 1/c-Jun NH₂-terminal kinase 1 (TAK1/JNK1) signal transduction pathway. This pathway protects against the interleukin-1 β converting enzyme of FAS-mediated apoptosis. The protection of XIAP against apoptosis by ILPIP is caspase-independent. When expressed alone, ILPIP only moderately activates the TAK1/JNK1 signal transduction pathway.

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CHROMOSOMAL LOCATION

Genetic locus: STRADB (human) mapping to 2q33.1; Stradb (mouse) mapping to 1 C1.3.

SOURCE

ILPIP (H-80) is a rabbit polyclonal antibody raised against amino acids 277-356 mapping near the C-terminus of ILPIP of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

ILPIP (H-80) is recommended for detection of ILPIP- α and ILPIP- β of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

ILPIP (H-80) is also recommended for detection of ILPIP- α and ILPIP- β in additional species, including equine, canine, bovine and porcine.

Suitable for use as control antibody for ILPIP siRNA (h): sc-60842, ILPIP siRNA (m): sc-60843, ILPIP shRNA Plasmid (h): sc-60842-SH, ILPIP shRNA Plasmid (m): sc-60843-SH, ILPIP shRNA (h) Lentiviral Particles: sc-60842-V and ILPIP shRNA (m) Lentiviral Particles: sc-60843-V.

Molecular Weight of ILPIP α : 52 kDa.

Molecular Weight of ILPIP β : 35 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker[™] compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker[™] Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz[™] Mounting Medium: sc-24941.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

MONOS
Satisfaction
Guaranteed

Try **ILPIP (F-10): sc-390494** or **ILPIP (C-12): sc-376694**, our highly recommended monoclonal alternatives to ILPIP (H-80).