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Diagnostik & molekulare Diagnostik



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Zuschläge

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IL-1RAcP (m): 293T Lysate: sc-121041

BACKGROUND

Interleukin-1 (IL-1) is a key pro-inflammatory cytokine that has diverse actions in the brain as a regulator of host defense responses and a mediator of inflammation. Two major agonists, IL-1 α and IL-1 β , bind to a single known functional type-1 IL-1 receptor (IL-1RI), which associates with the accessory protein (IL-1RAcP), resulting in signal transduction. IL-1F6, IL-1F8, and IL-1F9 signal through IL-1RAcP to activate NF κ B. The membrane bound form of IL-1RAcP (mIL-1RAcP) facilitates signal transduction. Two alternatively spliced isoforms, soluble IL-1RAcP (sIL-1RAcP) and sIL-1RAcP- β , which lack transmembrane and intracellular domains, can inhibit IL-1 signaling. Although both mIL-1RAcP and sIL-1RAcP mRNAs are widely expressed in human tissue, their relative proportions differ significantly in a tissue-specific manner.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: Il1rap (mouse) mapping to 16 B2.

RESEARCH USE

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

PRODUCT

IL-1RAcP (m): 293T Lysate represents a lysate of mouse IL-1RAcP transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

IL-1RAcP (m): 293T Lysate is suitable as a Western Blotting positive control for mouse reactive IL-1RAcP antibodies. Recommended use: 10-20 μ l per lane.

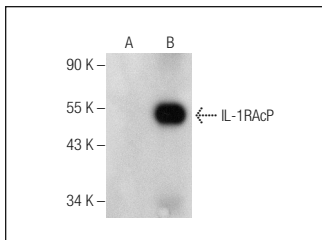
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

IL-1RAcP (D-5): sc-376872 is recommended as a positive control antibody for Western Blot analysis of enhanced mouse IL-1RAcP expression in IL-1RAcP transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

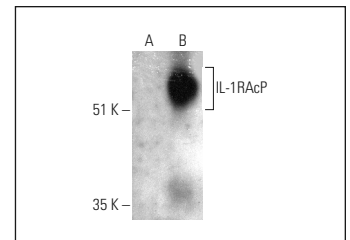
RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



IL-1RAcP (D-5): sc-376872. Western blot analysis of IL-1RAcP expression in non-transfected: sc-117752 (A) and human IL-1RAcP transfected: sc-121041 (B) 293T whole cell lysates.



IL-1RAcP (D-5) HRP: sc-376872 HRP. Direct western blot analysis of IL-1RAcP expression in non-transfected: sc-117752 (A) and mouse IL-1RAcP transfected: sc-121041 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

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