

IL-22R α 1 (h): 293T Lysate: sc-114543

BACKGROUND

IL-22R α 1 (interleukin 22 receptor, α 1), whose alternative names include IL22R, cytokine receptor family 2 member 9, CRF2-9 or IL22R1, is a 574 amino acid single-pass type I membrane protein belonging to the type II cytokine receptor family. IL-22R α 1 is a component of IL20, IL22 and IL24 receptors, and exists as a heterodimer with IL-10R β and IL-20R β . Expressed in lung, liver kidney, colon and pancreas, IL-22R α 1 is also found in keratinocytes of normal skin and psoriatic skin lesions, normal blood brain barrier endothelial cells, and is strongly expressed in infiltrated multiple sclerosis lesions of central nervous system vessels. IL-22R α 1 increases the innate immune responses in inflammatory diseases, and IL-22R α 1 defects are associated with severe chronic rhinosinusitis. Containing two fibronectin type-III domains, IL-22R α 1 is encoded by a gene which maps to human chromosome 1p36.11.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: IL22RA1 (human) mapping to 1p36.11.

PRODUCT

IL-22R α 1 (h): 293T Lysate represents a lysate of human IL-22R α 1 transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

APPLICATIONS

IL-22R α 1 (h): 293T Lysate is suitable as a Western Blotting positive control for human reactive IL-22R α 1 antibodies. Recommended use: 10-20 μ l per lane.

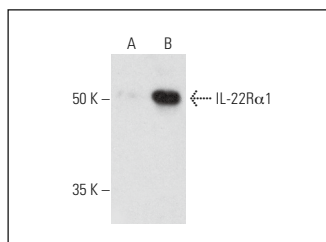
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

IL-22R α 1 (3-RE40): sc-134366 is recommended as a positive control antibody for Western Blot analysis of enhanced human IL-22R α 1 expression in IL-22R α 1 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 MarkerTM Molecular Weight Standards: sc-2035, UltraCruz[®] Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



IL-22R α 1 (3-RE40): sc-134366. Western blot analysis of IL-22R α 1 expression in non-transfected: sc-117752 (A) and human IL-22R α 1 transfected: sc-114543 (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.

RESEARCH USE

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

PROTOCOLS

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