

# KSP37 (h3): 293T Lysate: sc-114210

## BACKGROUND

KSP37 (37 kDa killer-specific secretory protein), also known as FGFBP2 (fibroblast growth factor binding protein 2), is a 223 amino acid protein that is secreted into the extracellular space and belongs to the fibroblast growth factor-binding protein family. Expressed in serum, as well as in cytotoxic T lymphocytes and peripheral leukocytes, KSP37 is thought to be involved in lymphocyte-mediated immunity, possibly playing a role in the development of asthma. The gene encoding KSP37 maps to human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. Defects in some of the genes located on chromosome 4 are associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

## REFERENCES

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2. Hayano, C., Koi, H., Ogawa, K., Nagata, K., Matsumoto, Y., Nakamura, M. and Aso, T. 2002. Accumulation of CD16<sup>+</sup> cells with secretion of KSP37 in decidua at the end of pregnancy. *Am. J. Reprod. Immunol.* 48: 57-62.
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## CHROMOSOMAL LOCATION

Genetic locus: FGFBP2 (human) mapping to 4p15.32.

## PRODUCT

KSP37 (h3): 293T Lysate represents a lysate of human KSP37 transfected 293T cells and is provided as 100 µg protein in 200 µl SDS-PAGE buffer.

## 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.

## APPLICATIONS

KSP37 (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive KSP37 antibodies. Recommended use: 10-20 µl per lane.

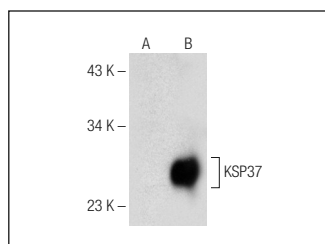
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

KSP37 (C-5): sc-374008 is recommended as a positive control antibody for Western Blot analysis of enhanced human KSP37 expression in KSP37 transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

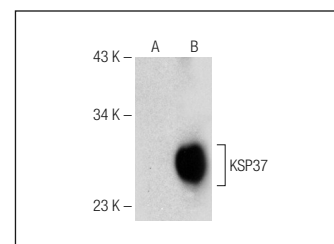
## RECOMMENDED SUPPORT REAGENTS

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

## DATA



KSP37 (C-5): sc-374008. Western blot analysis of KSP37 expression in non-transfected: sc-117752 (A) and human KSP37 transfected: sc-114210 (B) 293T whole cell lysates.



KSP37 (D-5): sc-374010. Western blot analysis of KSP37 expression in non-transfected: sc-117752 (A) and human KSP37 transfected: sc-114210 (B) 293T whole cell lysates.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.