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# KID (h4): 293T Lysate: sc-170546

## BACKGROUND

KID (kinesin-like DNA-binding protein) is a nuclear protein that belongs to the kinesin-like protein family. KID is involved in spindle formation and the movements of chromosomes during mitosis and meiosis by binding to microtubules in addition to DNA. The N-terminal half of KID contains the kinesin-like motor domain; there is a helix-hairpin-helix DNA-binding domain at its C-terminus. It has been reported that the subcellular localization of KID changes dramatically during cell division.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: KIF22 (human) mapping to 16p11.2.

## 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.

## PRODUCT

KID (h4): 293T Lysate represents a lysate of human KID transfected 293T cells and is provided as 100  $\mu$ g protein in 200  $\mu$ l SDS-PAGE buffer.

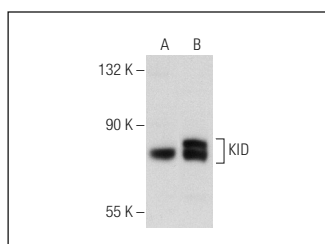
## APPLICATIONS

KID (h4): 293T Lysate is suitable as a Western Blotting positive control for human reactive KID antibodies. Recommended use: 10-20  $\mu$ l per lane.

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

KID (2486C3a): sc-130645 is recommended as a positive control antibody for Western Blot analysis of enhanced human KID expression in KID transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

## DATA



KID (2486C3a): sc-130645. Western blot analysis of KID expression in non-transfected: sc-117752 (A) and human KID transfected: sc-170546 (B) 293T whole cell lysates.

## PROTOCOLS

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