

# YANK2 (F-25): sc-130913

## BACKGROUND

The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine (Ser/Thr) protein kinases. YANK2, also known as STK32B (serine/threonine kinase 32B) or STKG6, is a 414 amino acid protein that contains one protein kinase domain and belongs to the Ser/Thr protein kinase family. Using magnesium as a cofactor, YANK2 functions to catalyze the ATP-dependent phosphorylation of target proteins and may play a role in various signaling events throughout the cell. Multiple isoforms of YANK2 exist due to alternatively splicing events.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: STK32B (human) mapping to 4p16.2.

## SOURCE

YANK2 (F-25) is a purified rabbit polyclonal antibody raised against a peptide mapping near the C-terminus of YANK2 of human origin.

## PRODUCT

Each vial contains 100 µg IgG in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

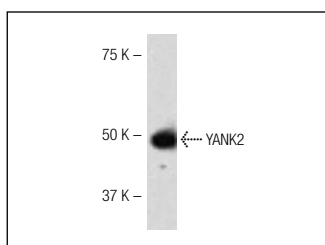
YANK2 (F-25) is recommended for detection of YANK2 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for YANK2 siRNA (h): sc-76940, YANK2 shRNA Plasmid (h): sc-76940-SH and YANK2 shRNA (h) Lentiviral Particles: sc-76940-V.

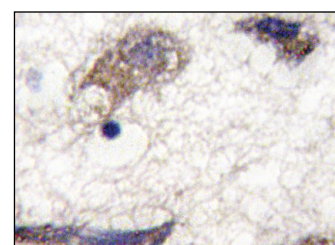
Molecular Weight of YANK2: 48 kDa.

Positive Controls: HL-60 whole cell lysate: sc-2209.

## DATA



YANK2 (F-25): sc-130913. Western blot analysis of YANK2 expression in HL-60 whole cell lysate.



YANK2 (F-25): sc-130913. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human brain tissue showing cytoplasmic localization.

## 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](http://www.scbt.com) or our catalog for detailed protocols and support products.


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Try **YANK2 (4A7): sc-517186**, our highly recommended monoclonal alternative to YANK2 (F-25).