

# MAPK15 (H-22): sc-130814

## BACKGROUND

MAPK15 (mitogen-activated protein kinase 15, ERK8) is a 544 amino acid protein that belongs to the CMGC Ser/Thr protein kinase family (MAP kinase subfamily). MAP kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. MAPK15 functions as a catalytic kinase using ATP to produce ADP and a phosphoprotein. A TXY motif, containing one threonine and one tyrosine residue, activates the MAP kinases upon phosphorylation. MAPK15 is a ubiquitously expressed protein with highest expression found in lung and kidney.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: MAPK15 (human) mapping to 8q24.3.

## STORAGE

Store at 4° C, \*\*DO NOT FREEZE\*\*. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## SOURCE

MAPK15 (H-22) is a purified rabbit polyclonal antibody raised against a peptide mapping near the N-terminus of MAPK15 of human origin.

## PRODUCT

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

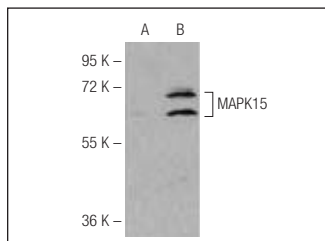
## APPLICATIONS

MAPK15 (H-22) is recommended for detection of MAPK15 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).

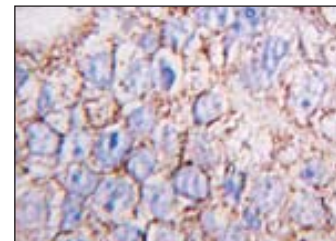
Suitable for use as control antibody for MAPK15 siRNA (h): sc-77462, MAPK15 shRNA Plasmid (h): sc-77462-SH and MAPK15 shRNA (h) Lentiviral Particles: sc-77462-V.

Molecular Weight of MAPK15: 60 kDa.

## DATA



MAPK15 (H-22): sc-130814. Western blot analysis of MAPK15 expression in non-transfected (A) and human MAPK15 transfected (B) 293 whole cell lysates.



MAPK15 (H-22): sc-130814. Immunoperoxidase staining of formalin-fixed, paraffin-embedded human breast carcinoma tissue showing membrane localization.

## 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.