**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**


**CHROMOSOMAL LOCATION**

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

**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**

**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 or our catalog for detailed protocols and support products.