

## Anti-STK3/STK4 antibody

<b>Cat. No.</b>	ml161514
<b>Package</b>	25 µl/100 µl/200 µl
<b>Storage</b>	-20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol

### Product overview

<b>Description</b>	Anti-STK3/STK4 rabbit polyclonal antibody
<b>Applications</b>	ELISA, WB, IHC
<b>Immunogen</b>	Synthetic peptide of human STK3/STK4
<b>Reactivity</b>	Human, Mouse
<b>Content</b>	0.7 mg/ml
<b>Host species</b>	Rabbit
<b>Ig class</b>	Immunogen-specific rabbit IgG
<b>Purification</b>	Antigen affinity purification

### Target information

<b>Symbol</b>	STK3/STK4
<b>Full name</b>	serine threonine kinase 3/4
<b>Synonyms</b>	KRS1; MST2/KRS2; MST1; YSK3; TIAC
<b>Swissprot</b>	Q13043

### Target Background

Sterile-20 (Ste20) is a serine/threonine kinase in *Saccharomyces cerevisiae* that is involved in relaying signals from G protein-coupled receptors to cyto-solic MAP kinase cascades. Mammalian protein kinases that display sequence similarity to Ste20 are divided into two groups, the PAK subfamily and the GCK subfamily. The mammalian Ste20-like kinases (MST kinases), also known as Krs proteins, are members of the GCK subfamily. Ksr-1 (MST-2) and Ksr-2 (MST-1) are both direct substrates of caspase-3 that accelerate caspase-3 activation.

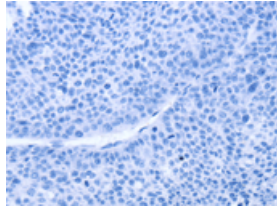
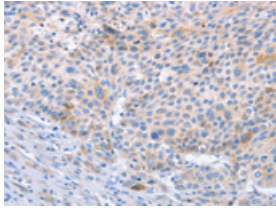
## Applications

### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-200

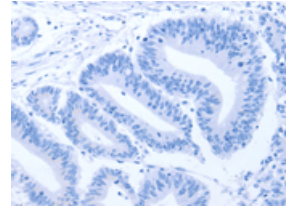
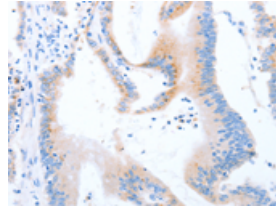


The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml161514(STK3/STK4 Antibody) at dilution 1/70, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

Predicted cell location: Cytoplasm

Positive control: Human colon cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml161514(STK3/STK4 Antibody) at dilution 1/70, on the right is treated with synthetic peptide. (Original magnification:  $\times 200$ )

### Western blotting

Predicted band size: 56 kDa

Positive control: Human bladder carcinoma tissue and A172 cells, human brain malignant glioma tissue

Recommended dilution: 500-2000

Gel: 6% SDS-PAGE

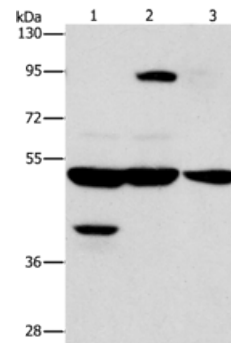
Lysate: 40  $\mu$ g

Lane 1-3: Human bladder carcinoma tissue, A172 cells, human brain malignant glioma tissue

Primary antibody: ml161514(STK3/STK4 Antibody) at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



### ELISA

Recommended dilution: 2000-5000

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