

Anti-STK3/STK4 antibody

Cat. No.	ml261514
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-STK3/STK4 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human STK3/STK4
Reactivity	Human, Mouse
Content	1 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	STK3/STK4
Full name	serine threonine kinase 3/4

Synonyms KRS1; MST2/KRS2; MST1; YSK3; TIAC

Swissprot 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.

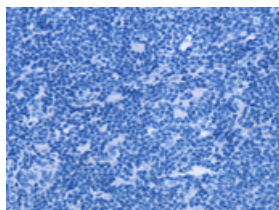
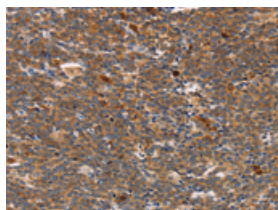
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human Lymphoma

Recommended dilution: 100-300

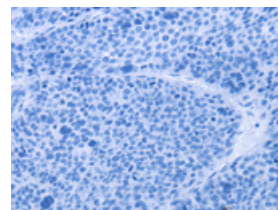
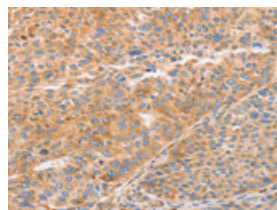


The image on the left is immunohistochemistry of paraffin-embedded Human Lymphoma tissue using ml261514(STK3/STK4 Antibody) at dilution 1/70, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml261514(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: PC3 and hela cells, human bladder carcinoma tissue and A172 cells, hepG2 cells

Recommended dilution: 500-2000

Gel: 6%SDS-PAGE

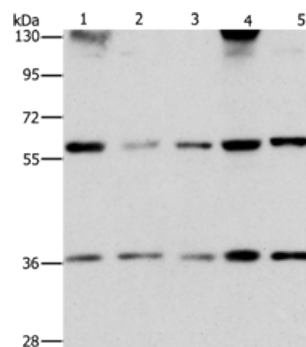
Lysate: 40 µg

Lane 1-5: PC3 cells, hela cells, human bladder carcinoma tissue, A172 cells, hepG2 cells

Primary antibody: ml261514(STK3/STK4 Antibody) at dilution 1/1000

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

Exposure time: 10 seconds



ELISA

Recommended dilution: 2000-10000

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