Revision 1

#8579 Store at -20°C

Hippo Signaling Antibody Sampler Kit

1 Kit (9 x 20 microliters)

Cell Signaling TECHNOLOGY®

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Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Phospho-YAP (Ser397) (D1E7Y) Rabbit mAb	13619	20 µl	65-78 kDa	Rabbit IgG
LATS1 (C66B5) Rabbit mAb	3477	20 µl	140 kDa	Rabbit IgG
Phospho-MOB1 (Thr35) (D2F10) Rabbit mAb	8699	20 µl	24 kDa	Rabbit IgG
MOB1 (E1N9D) Rabbit mAb	13730	20 µl	24 kDa	Rabbit IgG
MST1 Antibody	3682	20 µl	59 kDa	Rabbit
MST2 Antibody	3952	20 µl	60 kDa	Rabbit
SAV1 (D6M6X) Rabbit mAb	13301	20 µl	45 kDa	Rabbit IgG
Phospho-YAP (Ser127) (D9W2I) Rabbit mAb	13008	20 µl	65-78 kDa	Rabbit IgG
YAP/TAZ (D24E4) Rabbit mAb	8418	20 µl	55, 78 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The Hippo Signaling Antibody Sampler Kit provides an economical means of detecting target proteins of the Hippo signaling pathway. The kit contains enough primary antibody to perform two western blots per primary.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at –20°C. Do not aliquot the antibody.

Background

Hippo signaling is an evolutionarily conserved pathway that controls cell proliferation, apoptosis, and organ size in response to changing cell density levels (1,2). At relative low cell density, transcription co-activators YAP and TAZ bind transcription factors to induce expression of genes that favor cell growth and proliferation. As cell density increases, interaction between membrane-bound upstream hippo pathway regulators trigger activation of cytoplasmic kinases Mst1/2 and LATS1/2. Activated Mst kinase (the eponymous Hippo in Drosophila) associates with the adaptor Sav1 and phosphorylates MOB1 to activate LATS kinase, which phosphorylates YAP and TAZ to suppress cell proliferation (3).

Background References

1. McNeill, H. and Woodgett, J.R. (2010) *Nat Rev Mol Cell Biol* 11, 404-13.
2. Zeng, Q. and Hong, W. (2008) *Cancer Cell* 13, 188-92.
3. Zhao, B. et al. (2007) *Genes Dev* 21, 2747-61.

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