

Oncogene and Tumor Suppressor Antibody Sampler Kit



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Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
E-Cadherin (24E10) Rabbit mAb	3195	20 µl	135 kDa	Rabbit IgG
p53 (7F5) Rabbit mAb	2527	20 µl	53 kDa	Rabbit IgG
Stathmin Antibody	3352	20 µl	19 kDa	Rabbit
BRCA1 Antibody	9010	20 µl	220 kDa	Rabbit
Phospho-Akt (Ser473) (D9E) XP [®] Rabbit mAb	4060	20 µl	60 kDa	Rabbit IgG
PTEN (138G6) Rabbit mAb	9559	20 µl	54 kDa	Rabbit IgG
Phospho-Estrogen Receptor α (Ser167) (D1A3) Rabbit mAb	5587	20 µl	66 kDa	Rabbit IgG
HER2/ErbB2 (D8F12) XP [®] Rabbit mAb	4290	20 µl	185 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 Oncogenes and Tumor Suppressor Antibody Sampler Kit offers an economical means of investigating proteins commonly involved in the biological pathways behind oncogenesis, tumor metastasis, and cancer pathology. The kit contains enough primary and secondary antibody to perform four western blot experiments with each antibody.

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

Oncogenesis is a multistep process leading to sequential alterations in several oncogenes, tumor-suppressor genes, and microRNA genes (1,2). These alterations often disrupt the expression, function, and/or activity of proteins regulating cell growth and programmed cell death. Many of the molecular mechanisms and biological pathways driving oncogenesis and cancer pathology have been identified. The signal transduction pathways regulating apoptosis, cell-cycle progression, cell adhesion, cell migration, and DNA damage responses are often disrupted. HER2/ErbB2 (3), E-Cadherin (4), p53 (5,6), Stathmin (7), BRCA1 (8,9), Akt (10), PTEN (11), and Estrogen Receptor α (12) function in many of these pathways.

Background References

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