Raf1 (Phosph-Ser259) Antibody

#11006

Catalog Number: 11006-1, 11006-2

Amount: 50μg/50μl, 100μg/100μl

Swiss-Prot No. :P04049

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20℃/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human Raf1 around the phosphorylation site of serine 259 (S-T-S^{P}-T-P).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatogramphy using non-phosphopeptide corresponding to the phosphorylation site.

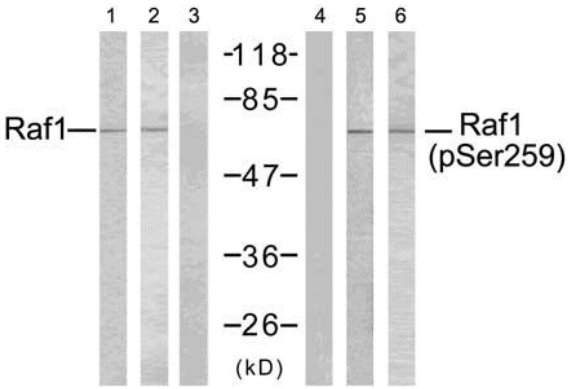
Specificity/Sensitivity: Raf-1 (phospho-Ser259) antibody detects endogenous levels of Raf-1 only when phosphorylated at serine 259.

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 73 kd

WB: 1:500~1:1000 IHC: 1:50~1:100

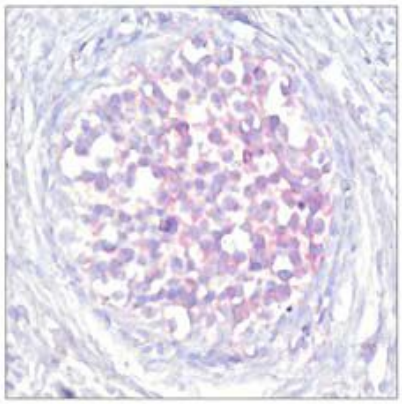


| K562 | MDA-MB-435 | K56

Peptide - - + - - -

P-Peptide - - - + - -

Western blot analysis of extracts using Raf-1 (Ab-259) antibody (#21006, Line 1, 2, and 3) and Raf-1 (phospho-Ser259) antibody (#11006, Line 4, 5, and 6).



Peptide − +

Immunohistochemical analysis of paraffin-embedded
human breast carcinoma tissue using Raf1 (phospho-Ser259) antibody (#11006).

Background :

Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. Part of the Ras-dependent signaling pathway from receptors to the nucleus. Protects cells from apoptosis mediated by STK3.

References：

Dougherty M K, et al. (2005) Mol Cell. 17(2): 215-224.
Hekman M, et al. (2005) FEBS Lett. 579(2): 464-468.
Avruch J,et al. (1994) Trends Biochem. Sci. 19, 279-283.
Chong H, et al. (2001) EMBO J. 20, 3716-3727.
King A J, et al. (1998) Nature. 396:180-183.