A-Raf (phospho-Y302) polyclonal antibody

Catalog: BS4651 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Several serine/threonine protein kinases have been implicated as intermediates in signal transduction pathways. These include ERK/MAP kinases, ribosomal S6 kinase (Rsk) and Raf-1. Raf-1 is a cytoplasmic protein with intrinsic serine/threonine activity. It is broadly expressed in nearly all cell lines tested to date and is the cellular homolog of v-Raf, the product of the transforming gene of the 3611 strain of murine sarcoma virus. The unregulated kinase activity of the v-Raf protein has been associated with transformation and mitogenesis while the activity of Raf-1 is normally suppressed by a regulatory N-terminal domain. A-Raf, a second member of the Raf gene family of serine/ threonine protein kinases, exhibits substantial homology to Raf-1 within the kinase domain of the two molecules, but less homology elsewhere. Expression of A-Raf is found at highest levels in urogenital tissues and kidney and at lowest level in brain tissue.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 68 kDa

Swiss-Prot:

P10398

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

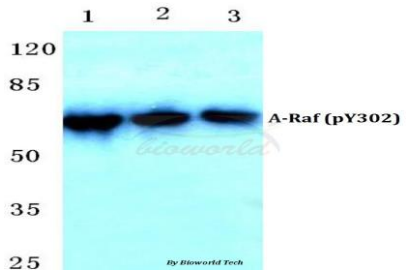
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

p-A-Raf (Y302) polyclonal antibody detects endogenous levels of A-Raf protein only when phosphorylated at Tyr302.

DATA:



Western blot (WB) analysis of p-ARAF (Y302) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with PMA(100nM,15min)

Lane2:sp2/0 cell lysate treated with PMA(100nM,15min)

Lane3:PC12 cell lysate treated with PMA(100nM,15min)

Note:

For research use only, not for use in diagnostic procedure.

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