

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### A-Raf (D297) pAb

Cat No.: BS1508

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

#### Molecular Weight

~68 kDa

#### 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 (Recommended Dilutions)

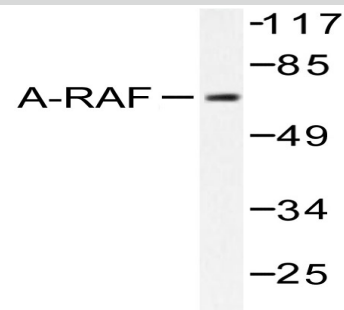
#### STORAGE & STABILITY

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

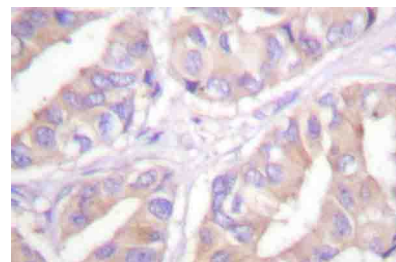
#### SPECIFICITY

A-RAF (D297) pAb detects endogenous levels of A-RAF protein.

#### DATA



Western blot (WB) analysis of A-RAF (D297) pAb in extracts from HeLa cells treated with PMA 125ng/ml 30'.



Immunohistochemistry (IHC) analyzes of A-RAF (D297) pAb in paraffin-embedded human breast carcinoma tissue.

#### RESEARCH USE

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

Bioworld Technology, Inc.

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