

PRODUCT DATA SHEET



Bioworld Technology, Inc.

14-3-3 ζ (V52) pAb

Cat No.: BS1001

Host: Rabbit

Reactivity: Human, Mouse, Rat

BACKGROUND

14-3-3 proteins regulate many cellular processes relevant to cancer biology, notably apoptosis, mitogenic signaling and cell-cycle checkpoints. Seven isoforms comprise this family of signaling intermediates, denoted 14-3-3 β , γ , ϵ , ζ , η , θ and σ . 14-3-3 proteins form dimers that present two binding sites for ligand proteins, thereby bringing together two proteins that may not otherwise associate. These ligands largely share a 14-3-3 consensus binding motif and exhibit serine/threonine phosphorylation. 14-3-3 proteins function in broad regulation of these ligand proteins, by cytoplasmic sequestration, occupation of interaction domains and import/export sequences, prevention of degradation, activation/repression of enzymatic activity and facilitation of protein modification, and thus loss of expression contributes to a vast array of pathogenic cellular activities.

PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 0.05

Molecular Weight

~28 kDa

PURIFICATION & PURITY

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

APPLICATIONS

IHC: 1:50 ~ 1:200

WB: 1:500 ~ 1:1000

IP: 1:50 ~ 1:200

IF: 1:50 ~ 1:200 (Recommended Dilutions)

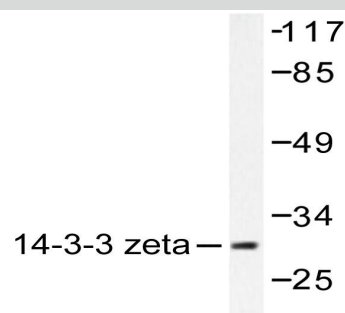
STORAGE & STABILITY

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

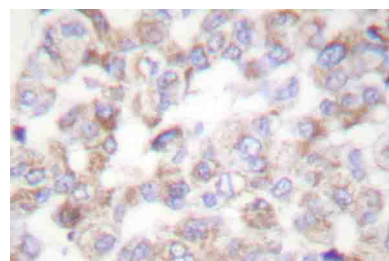
SPECIFICITY

14-3-3 zeta pAb detects endogenous levels of 14-3-3 zeta protein.

DATA



Western blot (WB) analyzes of 14-3-3 ζ (V52) pAb in extracts from 293 Forskolin 40nM 30' NIH/3T3 PMA 250ng/ml 5' cells.



Immunohistochemistry (IHC) analyzes of 14-3-3 ζ (V52) 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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