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10-1058: Monoclonal Antibody to 14-3-3 Theta (Clone: ABM52H6)

Clonality: Monoclonal Clone Name: ABM52H6

Application: WB

Reactivity: Mouse

Gene: Ywhaq

Gene ID: 22630

Uniprot ID: P68254

Format: Purified

Alternative Name: 14-3-3 protein tau Isotype: Rat IgG2a, kappa

Immunogen Information: Full length recombinant protein of 14-3-3 Theta was used as the immunogen for this antibody.

Description

14-3-3 Theta, a member of 14-3-3 family, is an adapter protein that plays an important role in a wide range of vital regulatory processes, including signal transduction, apoptosis, cell cycle progression and DNA replication. Humans have seven 14-3-3 isoforms (beta, gamma, epsilon, eta, sigma, theta and zeta) that serve as scaffolds to promote interactions of regulatory phospho-proteins involved in many vital cellular processes. 14-3-3 Theta binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif, resulting in the modulation of the activity of the binding partner except PDPK1, whose kinase activity is negatively regulated. Previous studies have shown that disturbances in native 14-3-3 levels can contribute significantly to the development of various cancers. In lung cancer biopsies, 14-3-3 Theta is found to be present in abundance.

Product Info

Amount: 25 μg / 100 μg

Purification: Protein G Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

WB: 2-4 µg/ml



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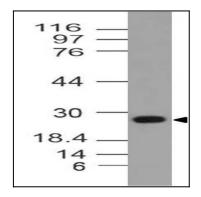


Fig-1:Western blot analysis of 14-3-3 Theta. Anti-14-3-3 Theta antibody (Clone: ABM52H6) was used at 2 $\mu g/ml$ on mBrain lysate.