

Recombinant Anti-14-3-3 theta/tau Rabbit mAb

Catalog # AP94995

Product Information

Application	WB, FC, IF/IC
Primary Accession	P27348
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	27764

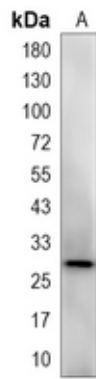
Additional Information

Gene ID	10971
Other Names	14-3-3 protein theta; 14-3-3 protein T-cell; 14-3-3 protein tau; Protein HS1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human 14-3-3 theta/tau protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

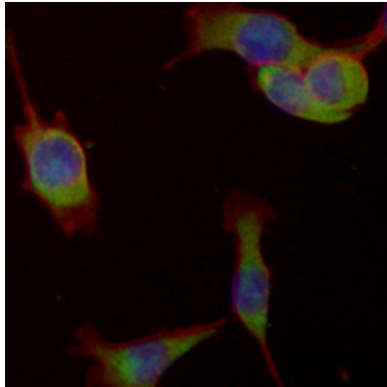
Protein Information

Name	YWHAQ
Function	Adapter protein implicated in the regulation of a large spectrum of both general and specialized signaling pathways. Binds to a large number of partners, usually by recognition of a phosphoserine or phosphothreonine motif. Binding generally results in the modulation of the activity of the binding partner. Negatively regulates the kinase activity of PDPK1.
Cellular Location	Cytoplasm. Note=In neurons, axonally transported to the nerve terminals
Tissue Location	Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in individuals with predominant lower motor neuron involvement

Images



Western blot analysis of 14-3-3 theta/tau expression in HeLa (A) whole cell lysates. (Predicted band size: 28 kD; Observed band size: 28 kD)



Immunofluorescent analysis of 14-3-3 theta/tau staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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