

Anti-14-3-3 theta/tau Antibody
Rabbit polyclonal antibody to 14-3-3 theta/tau
Catalog # AP60089

Specification

Anti-14-3-3 theta/tau Antibody - Product Information

Application	WB, IF/IC, IHC
Primary Accession	P27348
Other Accession	P68254
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27764

Anti-14-3-3 theta/tau Antibody - 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

Recognizes endogenous levels of 14-3-3 theta/tau protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-14-3-3 theta/tau Antibody - 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

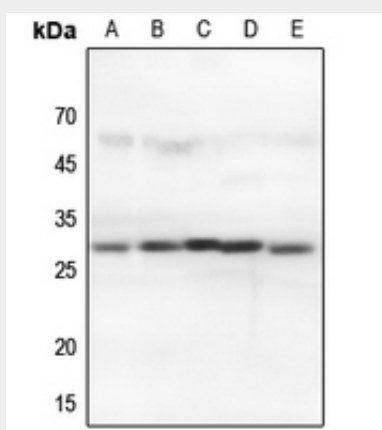
Abundantly expressed in brain, heart and pancreas, and at lower levels in kidney and placenta. Up-regulated in the lumbar spinal cord from patients with sporadic amyotrophic lateral sclerosis (ALS) compared with controls, with highest levels of expression in individuals with predominant lower motor neuron involvement

Anti-14-3-3 theta/tau Antibody - Protocols

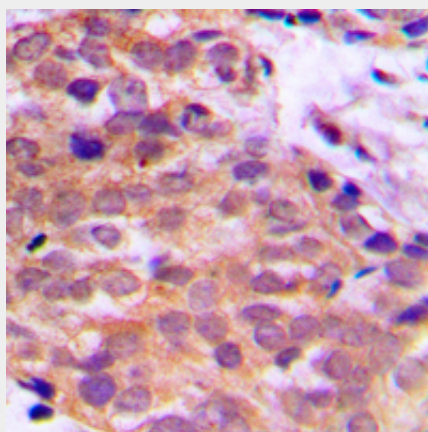
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

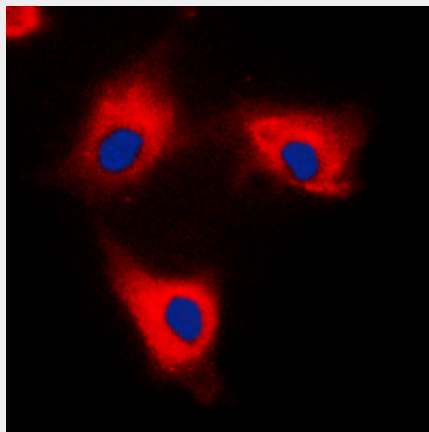
Anti-14-3-3 theta/tau Antibody - Images



Western blot analysis of 14-3-3 theta/tau expression in HEK293T (A), Hela (B), A2780 (C), mouse brain (D), mouse liver (E) whole cell lysates.



Immunohistochemical analysis of 14-3-3 theta/tau staining in human prostate cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



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 a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-14-3-3 theta/tau Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human 14-3-3 theta/tau. The exact sequence is proprietary.