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Anti-14-3-3 eta Antibody

Rabbit polyclonal antibody to 14-3-3 eta
Catalog # AP60068

Product Information

Application	WB, IF/IC, IHC
Primary Accession	Q04917
Other Accession	P68510
Reactivity	Human, Mouse, Rat, Monkey, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28219

Additional Information

Gene ID	7533
Other Names	YWHA1; 14-3-3 protein eta; Protein AS1
Target/Specificity	Recognizes endogenous levels of 14-3-3 eta protein.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500)
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

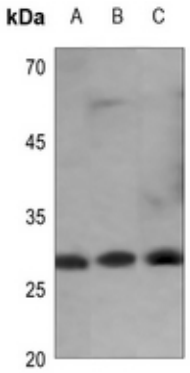
Protein Information

Name	YWHAH
Synonyms	YWHA1
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.
Tissue Location	Expressed mainly in the brain and present in other tissues albeit at lower levels

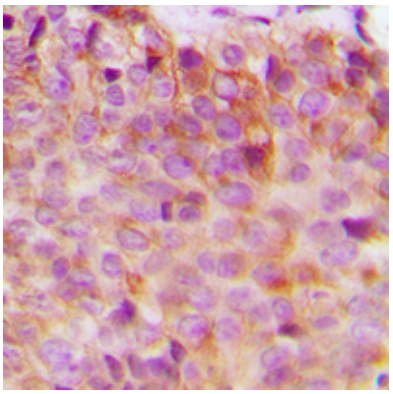
Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human 14-3-3 eta. The exact sequence is proprietary.

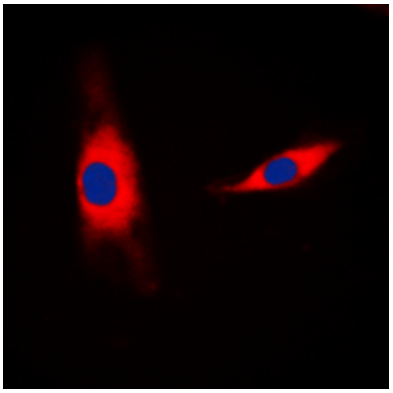
Images



Western blot analysis of 14-3-3 eta expression in Hela (A), mouse lung (B), rat lung (C) whole cell lysates.



Immunohistochemical analysis of 14-3-3 eta staining in human breast 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 eta staining in MCF7 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).