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Anti-NIPA (Phospho-S354) Antibody

Catalog # AP60652

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q86WB0
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55262

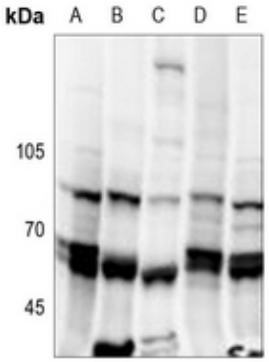
Additional Information

Gene ID	51530
Other Names	NIPA; Nuclear-interacting partner of ALK; Nuclear-interacting partner of anaplastic lymphoma kinase; hNIPA; Zinc finger C3HC-type protein 1
Target/Specificity	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S354 of human NIPA protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

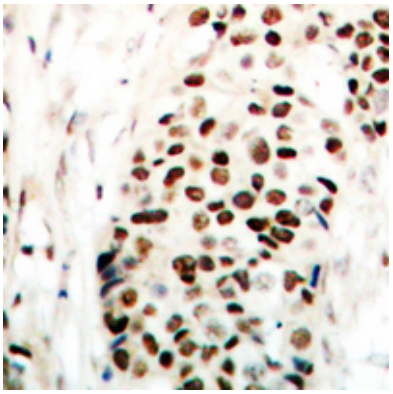
Protein Information

Name	ZC3HC1 (HGNC:29913)
Function	Required for proper positioning of a substantial amount of TPR at the nuclear basket (NB) through interaction with TPR.
Cellular Location	Nucleus. Nucleus envelope. Note=Resident of the nuclear basket (NB) (PubMed:34440706). Occurs at the nuclear envelopes (NE) of all TPR-containing cell types, including proliferating and non- dividing, terminally differentiated cells of different morphogenetic origin (PubMed:34440706).
Tissue Location	Widely expressed. Highly expressed in heart, skeletal muscle and testis. Expressed in brain, placenta, lung, kidney, liver, pancreas, spleen, thymus, prostate, ovary small intestine and colon. Weakly or not expressed in leukocytes

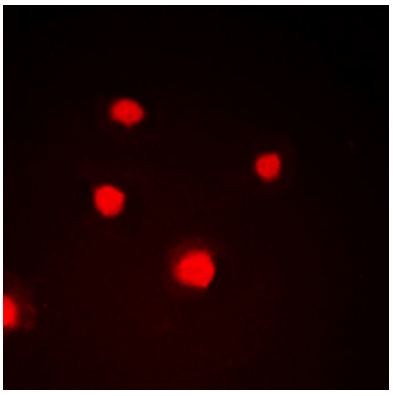
Images



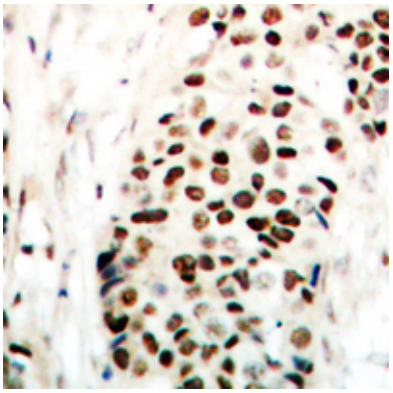
Western blot analysis of NIPA (Phospho-S354) expression in PC12 (A), BV2 (B), U87MG (C), PC3 (D), Hela (E) whole cell lysates. (Predicted band size: 55 kD; Observed band size: 65 kD)



Immunohistochemical analysis of NIPA (Phospho-S354) 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 NIPA (Phospho-S354) staining in HepG2 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 hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.



Immunohistochemical analysis of NIPA (pS354) 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.