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Anti-NIPA Antibody

Rabbit polyclonal antibody to NIPA
Catalog # AP60653

Product Information

Application	WB, IF/IC, IHC
Primary Accession	Q86WB0
Other Accession	Q80YV2
Reactivity	Human, Mouse, Monkey
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	Recognizes endogenous levels of NIPA 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

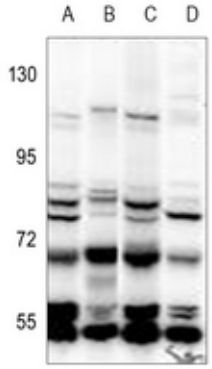
Protein Information

Name	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

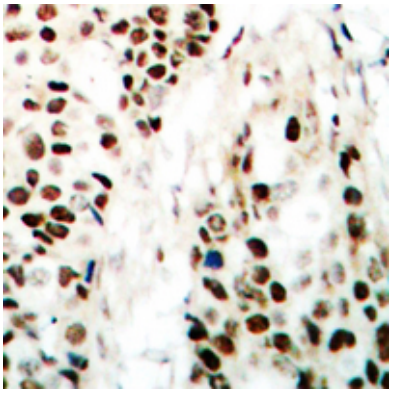
Background

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

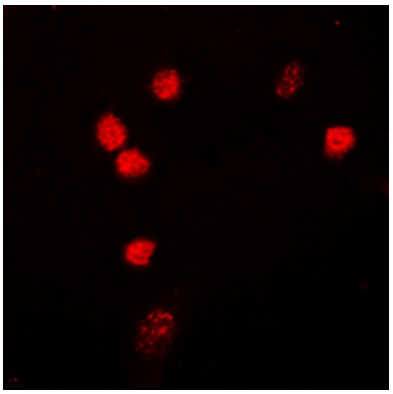
Images



Western blot analysis of NIPA expression in A375 (A), A2780 (B), HEK293T (C), U87MG (D) whole cell lysates.



Immunohistochemical analysis of NIPA 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 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.