

Rabbit Anti-PHAP1/ANP32A [MD42R]: RM0404

Intended Use: For Research Use Only

Description: Belongs to the ANP32 family.. Contains 4 LRR (leucine-rich) repeats. Contains 1 LRRCT domain. Expressed in all tissues tested. Highly expressed in kidney and skeletal muscle, moderate levels of expression in brain, placenta and pancreas, and weakly expressed in lung. Found in all regions of the brain examined (amygdala, caudate nucleus, corpus callosum, hippocampus and thalamus), with highest levels in amygdala. Implicated in a number of cellular processes, including proliferation, differentiation, caspase-dependent and caspase-independent apoptosis, suppression of transformation (tumor suppressor), inhibition of protein phosphatase 2A, regulation of mRNA trafficking and stability in association with ELAVL1, and inhibition of acetyltransferases as part of the INHAT (inhibitor of histone acetyltransferases) complex. Plays a role in E4F1-mediated transcriptional repression.

Specifications

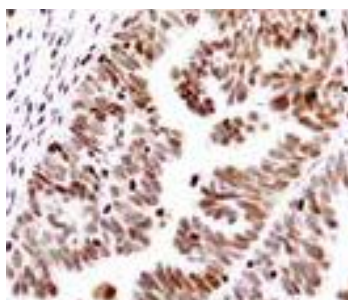
Clone: MD42R
 Source: Rabbit
 Isotype: IgG
 Reactivity: Human
 Localization: Nucleus, cytoplasm. Endoplasmic reticulum. Translocates to the cytoplasm during the process of neuritogenesis (By similarity). Shuttles between nucleus and cytoplasm.
 Formulation: Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN₃)
 Storage: Store at 2°- 8°C
 Applications: IHC, WB
 Package:

Description	Catalog No.	Size
PHAP1/ANP32A Concentrated	RM0404	1 ml

IHC Procedure

Positive Control: Tonsil
 Concentrated Dilution: 50-200
 Pretreatment: Tris EDTA pH9.0, 15 minutes Pressure Cooker or 30-60 minutes water bath at 95°-99°C
 Incubation Time and Temp: 30-60 minutes @ RT
 Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human serous papillary ca. of the ovary stained with anti-PHAP1/ANP32A using DAB

References:

1. The expression and distributions of ANP32A in the developing brain. Wang S, et al. Biomed Res Int. 207347, 2015.
2. A novel function of Ataxin-1 in the modulation of PP2A activity is dysregulated in the spinocerebellar ataxia type 1.
3. Sánchez I, et al. Hum Mol Genet. Sep 1;22(17):3425-37, 2013.
4. CXCL12-mediated regulation of ANP32A/Lanp, a component of the inhibitor of histone acetyl transferase (INHAT) complex, in cortical neurons. Khan MZ1, et al. J Neuroimmune Pharmacol. Mar;6(1):163-70, 2011.
5. MicroRNA-21 targets tumor suppressor genes ANP32A and SMARCA4. Schramedei K, et al. Oncogene. Jun 30;30(26):2975-85, 2011.