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Anti-UTP14A Antibody

Catalog # AP60524

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9BVJ6
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87978

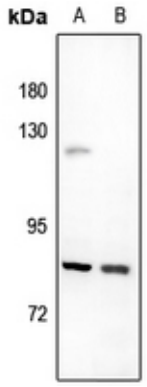
Additional Information

Gene ID	10813
Other Names	SDCCAG16; U3 small nucleolar RNA-associated protein 14 homolog A; Antigen NY-CO-16; Serologically defined colon cancer antigen 16
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human UTP14A. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IHC~~1:100~500 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

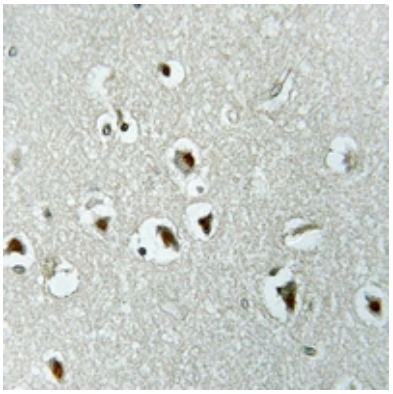
Protein Information

Name	UTP14A
Synonyms	SDCCAG16
Function	Part of the small subunit (SSU) processome, first precursor of the small eukaryotic ribosomal subunit (PubMed:34516797). During the assembly of the SSU processome in the nucleolus, many ribosome biogenesis factors, an RNA chaperone and ribosomal proteins associate with the nascent pre-rRNA and work in concert to generate RNA folding, modifications, rearrangements and cleavage as well as targeted degradation of pre-ribosomal RNA by the RNA exosome (PubMed:34516797). Ensures correct nucleolar localization of small ribosomal subunit processome member EMG1 as part of a complex with NOC4L and NOP14 (PubMed:27798105).
Cellular Location	Nucleus, nucleolus
Tissue Location	Ubiquitously expressed.

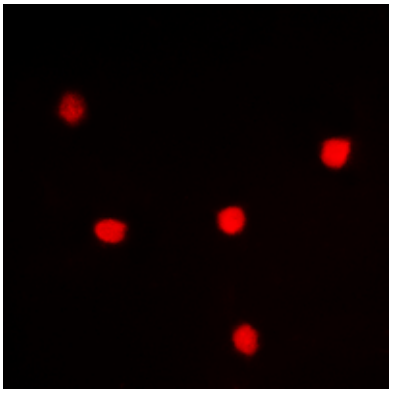
Images



Western blot analysis of UTP14A expression in C6 (A), U87MG (B) whole cell lysates. (Predicted band size: 87 kD; Observed band size: 87 kD)



Immunohistochemical analysis of UTP14A staining in human brain 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 UTP14A 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 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.

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