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Anti-Nop30 Antibody

Catalog # AP59763

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O60936
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	22629

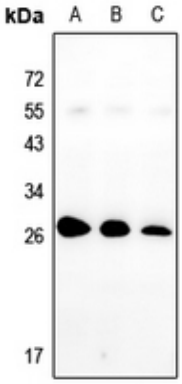
Additional Information

Gene ID	8996
Other Names	Myp; NOL3; Nop30; Nucleolar protein 3; apoptosis repressor ARC; apoptosis repressor with CARD; apoptosis repressor with caspase recruitment domain (CARD); muscle-enriched cytoplasmic protein; nucleolar protein of 30 kDa
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Nop30. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) 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

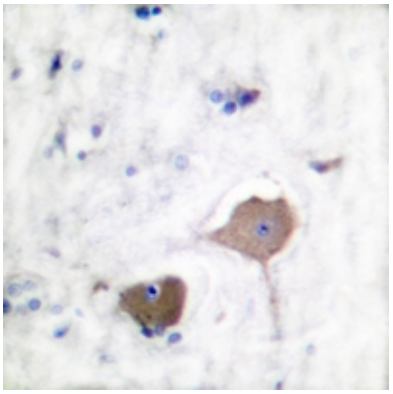
Protein Information

Name	NOL3 (HGNC:7869)
Function	[Isoform 1]: May be involved in RNA splicing.
Cellular Location	[Isoform 1]: Nucleus, nucleolus. Note=The SR-rich C-terminus mediates nuclear localization. [Isoform 2]: Cytoplasm. Mitochondrion {ECO:0000250|UniProtKB:Q62881}. Sarcoplasmic reticulum {ECO:0000250|UniProtKB:Q62881}. Membrane; Lipid-anchor. Note=Phosphorylation at Thr-149 results in translocation to mitochondria. Colocalized with mitochondria in response to oxidative stress. {ECO:0000250|UniProtKB:Q62881}
Tissue Location	Highly expressed in heart and skeletal muscle. Detected at low levels in placenta, liver, kidney and pancreas

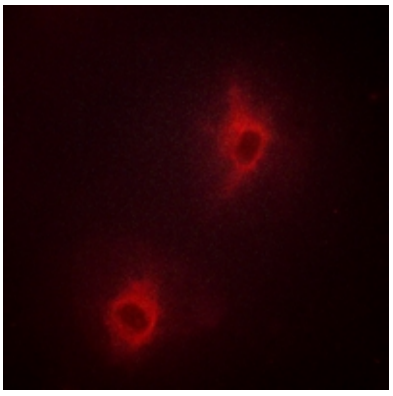
Images



Western blot analysis of Nop30 expression in HCT116 (A), MCF7 (B), LO2 (C) whole cell lysates. (Predicted band size: 22 kD; Observed band size: 26 kD)



Immunohistochemical analysis of Nop30 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 Nop30 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 AF594-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'.