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Anti-XPLN Antibody

Catalog # AP53330

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9NR81
Reactivity	Human, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	59783

Additional Information

Gene ID	50650
Other Names	Rho guanine nucleotide exchange factor 3; Exchange factor found in platelets and leukemic and neuronal tissues; XPLN
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human XPLN. The exact sequence is proprietary.
Dilution	WB~~ 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

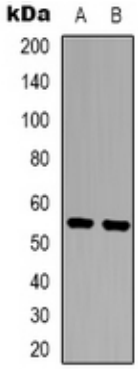
Name	ARHGEF3
Function	Acts as a guanine nucleotide exchange factor (GEF) for RhoA and RhoB GTPases.
Cellular Location	Cytoplasm.
Tissue Location	Widely expressed. Highest levels are found in adult brain and skeletal muscle. Lower levels are found in heart and kidney

References

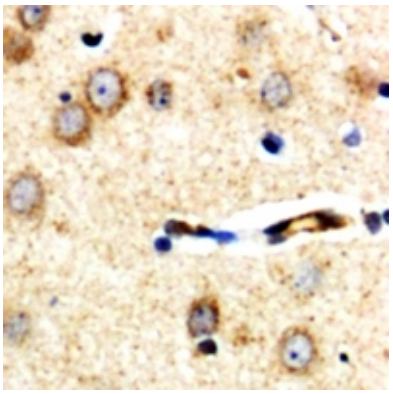
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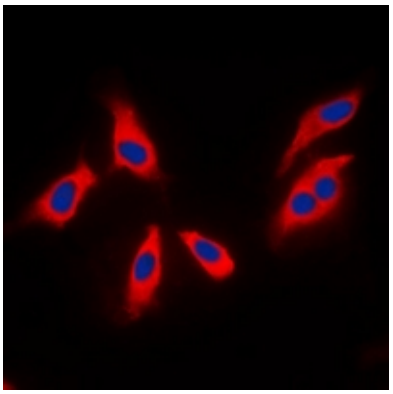
Images



Western blot analysis of XPLN expression in MCF7 (A), COLO205 (B) whole cell lysates. (Predicted band size: 59 kD; Observed band size: 55 kD)



Immunohistochemical analysis of XPLN 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 XPLN staining in MCF7 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. DAPI was used to stain the cell nuclei (blue).

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