

Anti-POM121 Antibody

Catalog # AP60364

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q96HA1
Other Accession	A6NF01 , A8CG34
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	127720

Additional Information

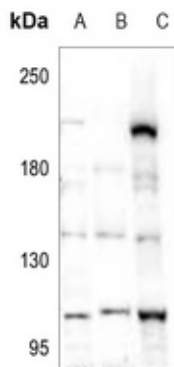
Gene ID	9883
Other Names	POM121; KIAA0618; NUP121; POM121A; Nuclear envelope pore membrane protein POM 121; Nuclear envelope pore membrane protein POM 121A; Nucleoporin Nup121; Pore membrane protein of 121 kDa; POM121B; Putative nuclear envelope pore membrane protein POM 121B; POM121C; Nuclear envelope pore membrane protein POM 121C; Nuclear pore membrane protein 121-2; POM121-2; Pore membrane protein of 121 kDa C
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human POM121. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) 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

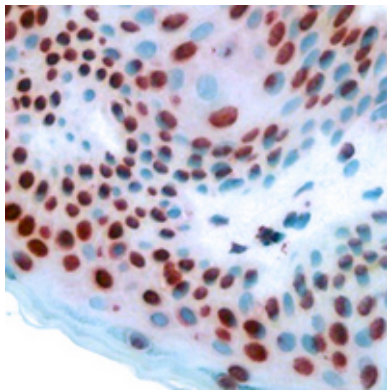
Name	POM121
Synonyms	KIAA0618, NUP121, POM121A
Function	Essential component of the nuclear pore complex (NPC). The repeat-containing domain may be involved in anchoring components of the pore complex to the pore membrane. When overexpressed in cells induces the formation of cytoplasmic annulate lamellae (AL).
Cellular Location	Nucleus, nuclear pore complex. Nucleus membrane; Single-pass membrane protein. Endoplasmic reticulum membrane; Single-pass membrane protein.

Note=Stably associated with the NPC throughout interphase and the endoplasmic reticulum during metaphase.

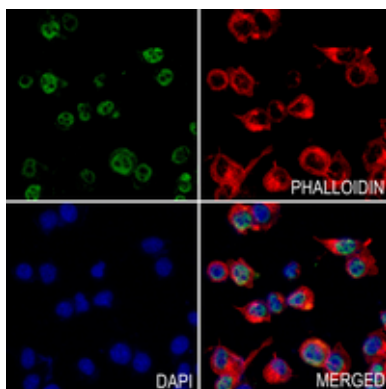
Images



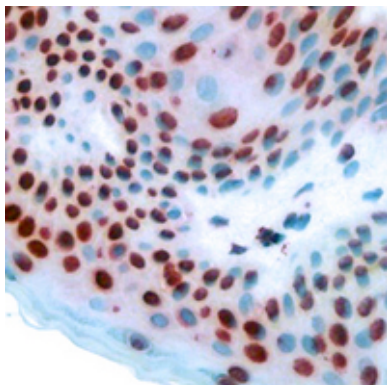
Western blot analysis of POM121 expression in mouse kidney (A), mouse muscle (B), rat muscle (C) whole cell lysates. (Predicted band size: 127; 83; 125 kD; Observed band size: 125; 100 kD)



Immunohistochemical analysis of POM121 staining in human skin 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 POM121 staining in BV2 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 humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



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