



POM121 Polyclonal Antibody

Catalog No	YP-Ab-13663
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	POM121
Protein Name	Nuclear envelope pore membrane protein POM 121
Immunogen	The antiserum was produced against synthesized peptide derived from human POM121. AA range:1197-1246
Specificity	POM121 Polyclonal Antibody detects endogenous levels of POM121 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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 prote
Observed Band	125kD
Cell Pathway	Nucleus, nuclear pore complex . Nucleus membrane ; Single-pass membrane protein . Endoplasmic reticulum membrane ; Single-pass membrane protein . Stably associated with the NPC throughout interphase and the endoplasmic reticulum during metaphase. .
Tissue Specificity	Brain,Cervix,Lymph,Skin,Teratocarcinoma,Testis,Uterus,
Function	domain:Contains F-X-F-G repeats.,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).,similarity:Belongs to the POM121 family.,subcellular location:Stably associated with the NPC throughout interphase and the endoplasmic reticulum during metaphase.,



Background

This gene encodes a transmembrane protein that localizes to the inner nuclear membrane and forms a core component of the nuclear pore complex, which mediates transport to and from the nucleus. The encoded protein may anchor this complex to the nuclear envelope. There are multiple related genes and pseudogenes for this gene on chromosomes 5, 7, 15, and 22. Alternatively spliced transcript variants encoding different isoforms have been observed. [provided by RefSeq, Jul 2013],

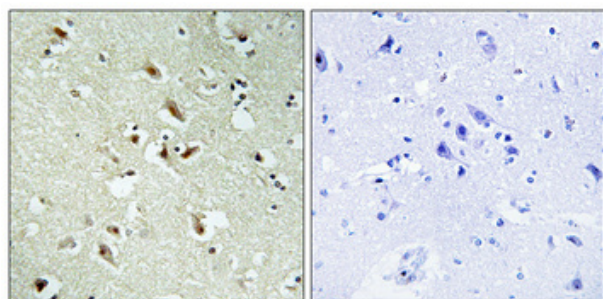
matters needing attention

Avoid repeated freezing and thawing!

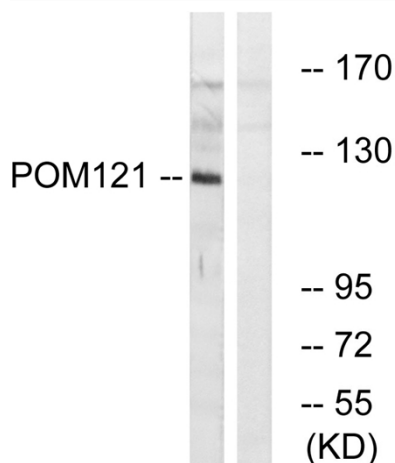
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

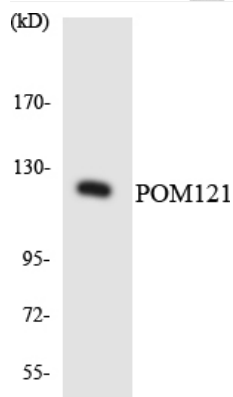
Products Images



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from K562 cells, using POM121 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVEC cells using POM121 antibody.