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GLMN Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12047b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	Q92990
Other Accession	Q8BZM1, NP_444504.1
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB31988
Calculated MW	68208
Antigen Region	498-525

Additional Information

Gene ID	11146
Other Names	Glomulin, FK506-binding protein-associated protein, FAP, FKBP-associated protein, GLMN, FAP48, FAP68, VMGLOM
Target/Specificity	This GLMN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 498-525 amino acids from the C-terminal region of human GLMN.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	GLMN Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GLMN
Function	[Isoform 1]: Regulatory component of cullin-RING-based SCF

(SKP1-Cullin-F-box protein) E3 ubiquitin-protein ligase complexes (PubMed:22405651, PubMed:22748924). Inhibits E3 ubiquitin ligase activity by binding to RBX1 (via RING domain) and inhibiting its interaction with the E2 ubiquitin-conjugating enzyme CDC34 (PubMed:22405651, PubMed:22748924). Inhibits RBX1-mediated neddylation of CUL1 (PubMed:22405651). Required for normal stability and normal cellular levels of key components of SCF ubiquitin ligase complexes, including FBXW7, RBX1, CUL1, CUL2, CUL3, CUL4A, and thereby contributes to the regulation of CCNE1 and MYC levels (By similarity). Essential for normal development of the vasculature (PubMed:11845407). Contributes to the regulation of RPS6KB1 phosphorylation (PubMed:11571281).

Tissue Location Ubiquitous..

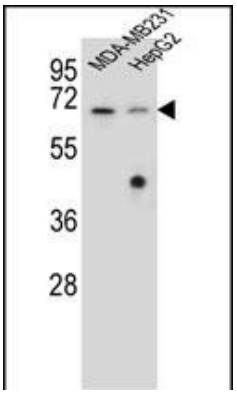
Background

This gene encodes a phosphorylated protein that is a member of a Skp1-Cullin-F-box-like complex. The protein is essential for normal development of the vasculature and mutations in this gene have been associated with glomuvenous malformations, also called glomangiomas. Alternatively spliced variants that encode different protein isoforms have been described but the full-length nature of only one has been determined. [provided by RefSeq].

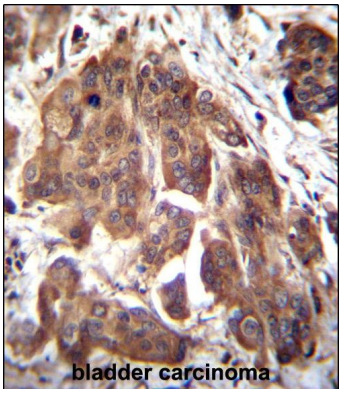
References

Arai, T., et al. Proc. Natl. Acad. Sci. U.S.A. 100(17):9855-9860(2003)
Brouillard, P., et al. Clin. Genet. 63(5):340-351(2003)
Krummrei, U., et al. Proc. Natl. Acad. Sci. U.S.A. 100(5):2444-2449(2003)
Brouillard, P., et al. Am. J. Hum. Genet. 70(4):866-874(2002)
Grisendi, S., et al. J. Biol. Chem. 276(49):46632-46638(2001)

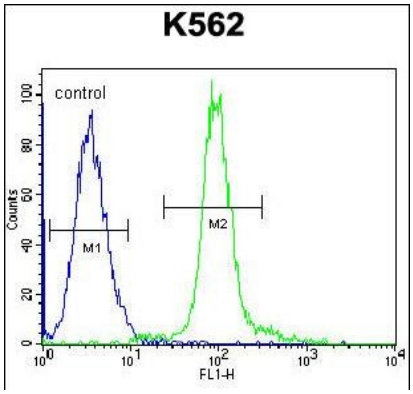
Images



GLMN Antibody (C-term) (Cat. #AP12047b) western blot analysis in MDA-MB231,HepG2 cell line lysates (35ug/lane).This demonstrates the GLMN antibody detected the GLMN protein (arrow).



GLMN Antibody (C-term) (Cat. #AP12047b)immunohistochemistry analysis in formalin fixed and paraffin embedded human bladder carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of GLMN Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GLMN Antibody (C-term) (Cat. #AP12047b) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.