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FRAT1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1436b

Product Information

Application	IHC-P, WB, E
Primary Accession	Q92837
Reactivity	Human
Predicted	Bovine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB14254
Calculated MW	29093
Antigen Region	244-274

Additional Information

Gene ID	10023
Other Names	Proto-oncogene FRAT1, Frequently rearranged in advanced T-cell lymphomas 1, FRAT-1, FRAT1
Target/Specificity	This FRAT1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 244-274 amino acids from the C-terminal region of human FRAT1.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	FRAT1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FRAT1
Function	Positively regulates the Wnt signaling pathway by stabilizing beta-catenin through the association with GSK-3. May play a role in tumor progression and collaborate with PIM1 and MYC in lymphomagenesis.

Cellular Location Cytoplasm.

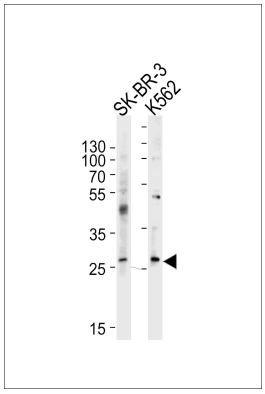
Background

FRAT1 belongs to the GSK-3-binding protein family. It may function in tumor progression and in lymphomagenesis.

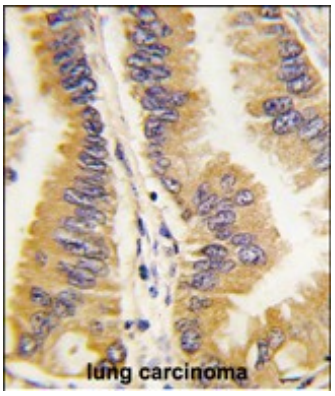
References

Hagen,T., J. Biol. Chem. 281 (46), 35021-35029 (2006)
Wang,Y., Br. J. Cancer 94 (5), 686-691 (2006)
Hino,S., J. Biol. Chem. 278 (16), 14066-14073 (2003)

Images



Western blot analysis of lysates from SK-BR-3, K562 cell line (from left to right), using FRAT1 Antibody (C-term)(Cat. #AP1436b). AP1436b was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with FRAT1 antibody (C-term) (Cat.#AP1436b), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- The clinical significance of FRAT1 and ABCG2 expression in pancreatic ductal adenocarcinoma.

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