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Datasheet

FRAT1 polyclonal antibody

Catalog Number: PAB3083

Regulatory Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of FRAT1.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human FRAT1.

Host: Rabbit

Reactivity: Human

Applications: IHC-P, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Form: Liquid

Purification: Ammonium sulfate precipitation

Recommend Usage: Western Blot (1:1000)
Immunohistochemistry (1:10-50)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 10023

Gene Symbol: FRAT1

Gene Alias: FLJ97193

Gene Summary: The protein encoded by this gene belongs to the GSK-3-binding protein family. The protein inhibits GSK-3-mediated phosphorylation of beta-catenin and positively regulates the Wnt signaling pathway. It may function in tumor progression and in lymphomagenesis. [provided by RefSeq]

References:

1. FRAT1, a substrate-specific regulator of glycogen synthase kinase-3 activity, is a cellular substrate of protein kinase A. Hagen T, Cross DA, Culbert AA, West A, Frame S, Morrice N, Reith AD. J Biol Chem. 2006 Nov 17;281(46):35021-9. Epub 2006 Sep 18.
2. Tissue microarray analysis of human FRAT1 expression and its correlation with the subcellular localisation of beta-catenin in ovarian tumours. Wang Y, Hewitt SM, Liu S, Zhou X, Zhu H, Zhou C, Zhang G, Quan L, Bai J, Xu N. Br J Cancer. 2006 Mar 13;94(5):686-91.
3. Casein kinase I epsilon enhances the binding of Dvl-1 to Frat-1 and is essential for Wnt-3a-induced accumulation of beta-catenin. Hino S, Michiue T, Asashima M, Kikuchi A. J Biol Chem. 2003 Apr 18;278(16):14066-73. Epub 2003 Jan 28.