

# FRAT2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP11848b

## Product Information

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<b>Application</b>	IHC-P, IF, WB, E
<b>Primary Accession</b>	<a href="#">O75474</a>
<b>Other Accession</b>	<a href="#">NP_036215.1</a>
<b>Reactivity</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB31392
<b>Calculated MW</b>	24051
<b>Antigen Region</b>	203-230

## Additional Information

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<b>Gene ID</b>	23401
<b>Other Names</b>	GSK-3-binding protein FRAT2, Frequently rearranged in advanced T-cell lymphomas 2, FRAT-2, FRAT2
<b>Target/Specificity</b>	This FRAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 203-230 amino acids from the C-terminal region of human FRAT2.
<b>Dilution</b>	IHC-P~~1:100~500 IF~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	FRAT2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	FRAT2
<b>Function</b>	Positively regulates the Wnt signaling pathway by stabilizing beta-catenin through the association with GSK-3.

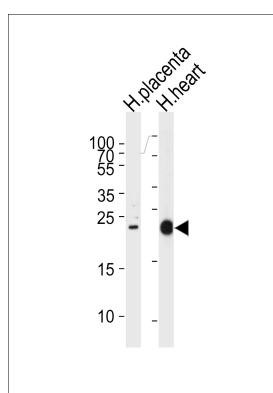
## Background

The protein encoded by this intronless gene belongs to the GSK-3-binding protein family. Studies show that this protein plays a role as a positive regulator of the WNT signaling pathway. It may be upregulated in tumor progression.

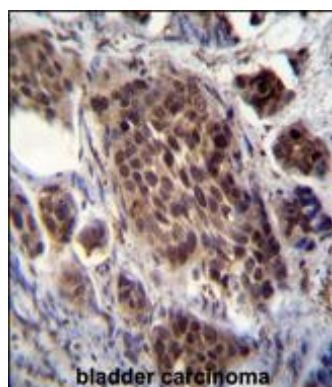
## References

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Liu, G.P., et al. Neurobiol. Aging 29(9):1348-1358(2008)  
Stoothoff, W.H., et al. J. Biol. Chem. 280(1):270-276(2005)  
Deloukas, P., et al. Nature 429(6990):375-381(2004)  
Freemantle, S.J., et al. Gene 291 (1-2), 17-27 (2002) :

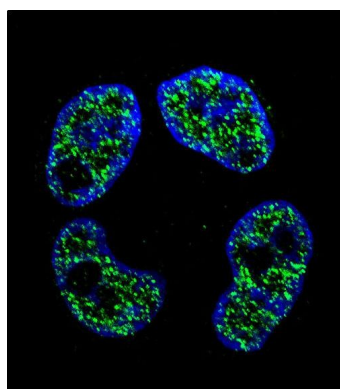
## Images



Western blot analysis of lysates from human placenta and heart tissue lysates (from left to right), using FRAT2 Antibody (C-term)(Cat. #AP11848b). AP11848b 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.



FRAT2 Antibody (C-term) (Cat. #AP11848b) 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 FRAT2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Confocal immunofluorescent analysis of FRAT2 Antibody (C-term)(Cat#AP11848b) with ZR-75-1 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).