

**Goat Anti-FRAT2 / GSK-3 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1442a

### Specification

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#### Goat Anti-FRAT2 / GSK-3 Antibody - Product Information

Application	WB
Primary Accession	<a href="#">O75474</a>
Other Accession	<a href="#">NP_036215</a> , <a href="#">23401</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	24051

#### Goat Anti-FRAT2 / GSK-3 Antibody - Additional Information

**Gene ID** 23401

#### Other Names

GSK-3-binding protein FRAT2, Frequently rearranged in advanced T-cell lymphomas 2, FRAT-2, FRAT2

#### Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

#### Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### Precautions

Goat Anti-FRAT2 / GSK-3 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

#### Goat Anti-FRAT2 / GSK-3 Antibody - Protein Information

**Name** FRAT2

#### Function

Positively regulates the Wnt signaling pathway by stabilizing beta-catenin through the association with GSK-3.

#### Goat Anti-FRAT2 / GSK-3 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **Goat Anti-FRAT2 / GSK-3 Antibody - Images**



AF1442a staining (2 µg/ml) of Human Heart lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

#### **Goat Anti-FRAT2 / GSK-3 Antibody - 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.

#### **Goat Anti-FRAT2 / GSK-3 Antibody - References**

Association between polymorphisms in Wnt signaling pathway genes and bone mineral density in postmenopausal Korean women. Lee DY, et al. *Menopause*, 2010 Sep-Oct. PMID 20613673.  
Activation of glycogen synthase kinase-3 inhibits protein phosphatase-2A and the underlying mechanisms. Liu GP, et al. *Neurobiol Aging*, 2008 Sep. PMID 17433504.  
FRAT-2 preferentially increases glycogen synthase kinase 3 beta-mediated phosphorylation of primed sites, which results in enhanced tau phosphorylation. Stoothoff WH, et al. *J Biol Chem*, 2005 Jan 7. PMID 15522877.  
The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. *Genome Res*, 2004 Oct. PMID 15489334.  
The DNA sequence and comparative analysis of human chromosome 10. Deloukas P, et al. *Nature*, 2004 May 27. PMID 15164054.