

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

**Specification**

**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**



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

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](#)

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.