

**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, E
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

**Dilution**

WB~~1:1000

E~~N/A

**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.  
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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.  
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