

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

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

| | |
|-------------------|---|
| Application | WB, E |
| Primary Accession | O75474 |
| Other Accession | NP_036215 , 23401 |
| 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.
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.
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The DNA sequence and comparative analysis of human chromosome 10. Deloukas P, et al. Nature, 2004 May 27. PMID 15164054.