FRAT2 Antibody – Goat Polyclonal

PRODUCT OVERVIEW

Product Name	FRAT2, Polyclonal Antibody
Full Product Name	FRAT2 (GSK-3-binding Protein FRAT2, Frequently Rearranged in Advanced T-cell Lymphomas 2, FRAT-2)
Product Gene Name	anti-FRAT2 antibody
Product Synonym Names	Anti -FRAT2 (GSK-3-binding Protein FRAT2, Frequently Rearranged in Advanced T-cell Lymphomas 2, FRAT-2)
Clonality	Polyclonal
Host	Goat
Species Reactivity	Human
Form/Format	Supplied as a liquid in Tris saline, 0.02% sodium azide, pH 7.3, 0.5% BSA.
Purity/Purification	Affinity Purified Purified by immunoaffinity chromatography.
Specificity	Recognizes human FRAT2.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	24,051 Da
Chromosome Location	Chromosome: 10; NC_000010.10 (99092254..99094458, complement). Location: 10q24.1
OMIM	605006
3D Structure	ModBase 3D Structure for O75474
Immunogen	Synthetic peptide corresponding to C-GPDRIALQPSGSLL, from human FRAT2, at C-terminal (NP_036215.1).
Product Categories/Family for anti-FRAT2 antibody	Antibodies; Abs to Protein Kinases
Applications Tested/Suitable for anti-FRAT2 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-FRAT2 antibody	Suitable for use in ELISA and Western Blot. Dilution: ELISA: 1:2000 Western Blot: 1-3ug/ml, human heart lysate observed in 30-35kD bands
Related Product Information for anti-FRAT2 antibody	Positively regulates the Wnt signaling pathway by stabilizing beta-catenin through the association with GSK-3.
Other Notes	Small volumes of anti-FRAT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FRAT2 purchase	MBS6001019 is an antibody targeting FRAT2. Also known as FRAT2 (GSK-3-binding Protein FRAT2, Frequently Rearranged in Advanced T-cell Lymphomas 2, FRAT-2). Reactive in Human. Host: Goat.



Western Blot (WB) of anti-FRAT2 antibody
staining (2ug/ml) of Human Heart lysate (RIPA buffer, 30ug total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FRAT2. It may not necessarily be applicable to this product.

NCBI GI #	13365651
NCBI GeneID	23401
NCBI Accession #	BAB39165.1
UniProt Primary Accession #	O75474
UniProt Secondary Accession #	Q5JTI0; Q8WUL9; Q9BYG2
UniProt Related Accession #	O75474
NCBI Official Full Name	FRAT2
NCBI Official Synonym Full Names	frequently rearranged in advanced T-cell lymphomas 2
NCBI Official Symbol	FRAT2
UniProt Protein Name	GSK-3-binding protein FRAT2
UniProt Synonym Protein Names	Frequently rearranged in advanced T-cell lymphomas 2
Protein Family	GSK-3-binding protein
UniProt Gene Name	FRAT2
UniProt Synonym Gene Names	FRAT-2
UniProt Entry Name	FRAT2_HUMAN
NCBI Protein Information	GSK-3-binding protein FRAT2; FRAT-2; GSK-3 binding protein FRAT2
NCBI Summary for FRAT2	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. [provided by RefSeq, Jul 2008]
UniProt Comments for FRAT2	FRAT2: Positively regulates the Wnt signaling pathway by stabilizing beta-catenin through the association with GSK-3. Belongs to the GSK-3-binding protein family. Protein type: Cell development/differentiation Chromosomal Location of Human Ortholog: 10q24.1 Cellular Component: cytosol Biological Process: cell proliferation; Wnt receptor signaling pathway; multicellular organismal development

Research Articles on FRAT2	**1.** Observational study of gene-disease association. (HuGE Navigator)
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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