FRAT2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FRAT2, Polyclonal Antibody
Full Product Name	FRAT2, CT (FRAT2, GSK-3-binding protein FRAT2, Frequently rearranged in advanced T-cell lymphomas 2) (MaxLight 750)
Product Gene Name	anti-FRAT2 antibody
Product Synonym Names	FRAT2; GSK-3-binding protein FRAT2; Frequently rearranged in advanced T-cell lymphomas 2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	24,051 Da
OMIM	605006
3D Structure	ModBase 3D Structure for O75474
Immunogen	FRAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-233 amino acids from the C-terminal region of human FRAT2.
Conjugate	MaxLight750
Note	Preservative Free
Product Categories/Family for anti-FRAT2 antibody	Antibodies; Binding Proteins
Applications Tested/Suitable for anti-FRAT2 antibody	Immunofluorescence (IF), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-FRAT2 antibody	IF: 1:10-50 FLISA: 1:1,000 IHC: 1:10-50 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-FRAT2 antibody	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.
Product References and Citations for anti-FRAT2 antibody	Lee, D.Y., et al. Menopause 17(5):1064-1070(2010). Liu, G.P., et al. Neurobiol. Aging 29(9):1348-1358(2008). Stoothoff, W.H., et al. J. Biol. Chem. 280(1):270-276(2005). Deloukas, P., et al. Nature 429(6990):375-381(2004). Freemantle, S.J., et al. Gene 291 (1-2), 17-27 (2002).

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	MBS6300090 is an antibody targeting FRAT2. Also known as FRAT2, CT (FRAT2, GSK-3-binding protein FRAT2, Frequently rearranged in advanced T-cell lymphomas 2) (MaxLight 750). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	16507243
NCBI GeneID	23401
NCBI Accession #	NP_036215.1
UniProt Primary Accession #	O75474
UniProt Secondary Accession #	Q5JTI0; Q8WUL9; Q9BYG2
UniProt Related Accession #	O75474
GenBank Nucleotide #	NM_012083.2
NCBI Official Full Name	GSK-3-binding protein 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
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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