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Datasheet for ABIN1701036
anti-FRAT1 antibody (AA 161-260) (Biotin)

Overview

Quantity:	100 µL
Target:	FRAT1
Binding Specificity:	AA 161-260
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This FRAT1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human FRAT1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow
Purification:	Purified by Protein A.

Target Details

Target:	FRAT1
Alternative Name:	FRAT1 (FRAT1 Products)
Background:	Synonyms: FRAT 1, frequently rearranged in advanced T cell lymphomas, Frequently rearranged

Target Details

in advanced T-cell lymphomas, GSK 3 binding protein FRAT1, proto oncogene FRAT1, FRAT1_HUMAN.

Background: FRAT1 and FRAT2 were originally characterized as proteins frequently rearranged in advanced T cell lymphoma, and they have since been identified as proto-oncogenes involved in tumorigenesis. These proteins share significant homology with the Xenopus glycogen synthase kinase-3 (xGSK-3) binding protein, which is designated GBP and is essential for the formation of the dorsal-ventral axis during embryonic development. Establishment of these embryonic axes is mediated by the Wnt intracellular signaling pathway. Wnt signaling is regulated in part by the activity of GSK-3, which phosphorylates and thereby facilitates the degradation of β -catenin. GBP binds to GSK-3 and inhibits this phosphorylation, resulting in the accumulation of β -catenin and the subsequent transcription of Wnt target genes. Like GBP, FRAT2 has been shown to bind xGSK-3, suggesting that FRAT1 and FRAT2 may be GSK-3 regulatory proteins.

Gene ID:	10023
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Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	1 μ g/ μ L
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Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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Preservative:	ProClin
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Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
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Storage:	-20 °C
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Storage Comment:	Store at -20°C for 12 months.
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Expiry Date:	12 months
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