Store at +4C

459

Phospho-FLT3 (Tyr591) Antibody (Alexa Fluor[®] 488 Conjugate)



Orders:	877-616-CELL (2355) orders@cellsignal.com
Support:	877-678-TECH (8324)
Web:	info@cellsignal.com cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

For Research Use Only. Not for Use in Diagnostic Procedures.

Sensitivity: Endogenous	Source/Isotype Rabbit	: UniProt ID: #P36888	Entrez-Gene Id: 2322
Storage		Supplied in PBS (pH 7.2), les antibody. Protect from light	is than 0.1% sodium azide and 2 mg/ml BSA. Store at 4°C. Do not aliquot the . Do not freeze.
Specificity/Sensi	itivity	The antibody does not crost tyrosine phosphorylated pr	body detects endogenous FLT3 only when phosphorylated at tyrosine 591. s-react with other FLT family members. It may cross-react with some oteins. Id foreign equivalents assigned to Cell Signaling Technology, Inc.)
Source / Purifica	tion	corresponding to residues	roduced by immunizing animals with a synthetic phosphopeptide surrounding Tyr591 of human FLT3. Antibodies are purified by protein A and raphy.The antibody was conjugated to Alexa Fluor [®] 488 under optimal of 2-5.
Description		in-house for direct flow cyto with human and mouse Pho	gy Antibody was conjugated to Alexa Fluor [®] 488 fluorescent dye and tested ometric analysis of human cells. The unconjugated antibody #3461 reacts ospho-FLT3 (Tyr591). CST expects that Phospho-FLT3 (Tyr591) Antibody e) will also recognize Phospho-FLT3 (Tyr591) in these species.
Background		kinase family, which include hematopoietic progenitor of system (1,2). FLT3 is activate autophosphorylation and ty PI3 kinase, SHP2, GRB2, and Tyr589/591 is located in the regulation of FLT3 tyrosine	3 (FLT3, also called FLK2) is a member of the Type III receptor tyrosine es c-Kit, PDGFR, and M-CSF receptors. FLT3 is expressed on early ells and supports growth and differentiation within the hematopoietic ed after binding with its ligand FL, which results in a cascade of tyrosine prosine phosphorylation of downstream substrates (3). The p85 subunit of d Shc have all been reported to associate with FLT3 after FL stimulation (4-6). juxtamembrane region of FLT3 and may play an important role in kinase activity. Somatic mutations of FLT3 consisting of internal tandem 20% of patients with acute myeloid leukemia (7).
Background Ref	erences	2. Naoe, T. et al. (2001) <i>Can</i> 3. Namikawa, R. et al. (1996 4. Beslu, N. et al. (1996) <i>J Bi</i>	ol Chem 271, 20075-81. . H.E. (2000) <i>Biochem Biophys Res Commun</i> 277, 195-9. eukoc Biol 65, 372-80.
Species Reactivi	ty	Species reactivity is determ	ined by testing in at least one approved application (e.g., western blot).
Trademarks and	Patents	Cell Signaling Technology is	a trademark of Cell Signaling Technology, Inc.
		transfer of this product is co conducted by the buyer, exc must not (1) use this produc purposes; (b) testing, analys per-test basis; or (c) manufa this product or its compone purchasing a license to this Technologies Corporation, s	der an intellectual property license from Life Technologies Corporation. The onditioned on the buyer using the purchased product solely in research cluding contract research or any fee for service research, and the buyer ct or its components for (a) diagnostic, therapeutic or prophylactic sis or screening services, or information in return for compensation on a acturing or quality assurance or quality control, and/or (2) sell or transfer ents for resale, whether or not resold for use in research. For information on product for purposes other than as described above, contact Life 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. e property of their respective owners. Visit cellsignal.com/trademarks for

Except as otherwise expressly agreed in a writing signed by a legally authorized representative of CST, the following terms apply to Products provided by CST, its affiliates or its distributors. Any Customer's terms and conditions that are in addition to, or different from, those contained herein, unless separately accepted in writing by a legally authorized representative of CST, are rejected and are of no force or effect.

Products are labeled with For Research Use Only or a similar labeling statement and have not been approved, cleared, or licensed by the FDA or other regulatory foreign or domestic entity, for any purpose. Customer shall not use any Product for any diagnostic or therapeutic purpose, or otherwise in any manner that conflicts with its labeling statement. Products sold or licensed by CST are provided for Customer as the end-user and solely for research and development uses. Any use of Product for diagnostic, prophylactic or therapeutic purposes, or any purchase of Product for resale (alone or as a component) or other commercial purpose, requires a separate license from CST. Customer shall (a) not sell, license, loan, donate or otherwise transfer or make available any Product to any third party, whether alone or in combination with other materials, or use the Products to manufacture any commercial products, (b) not copy, modify, reverse engineer, decompile, disassemble or otherwise attempt to discover the underlying structure or technology of the Products, or use the Products for the purpose of developing any products or services that would compete with CST products or services, (c) not alter or remove from the Products any trademarks, trade names, logos, patent or copyright notices or markings, (d) use the Products solely in accordance with CST Product Terms of Sale and any applicable documentation, and (e) comply with any license, terms of service or similar agreement with respect to any third party products or services used by Customer in connection with the Products.