#3461

## Phospho-FLT3 (Tyr591) Antibody



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

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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

Applications: W	Reactivity: H M	Sensitivity: Endogenous	MW (kDa): 130 nonglycosylated form;160 glycosylated mature form	Source/Isotype: Rabbit	UniProt ID: #P36888	Entrez-Gene Id: 2322	
Product Usage Information		<b>Application</b> Western Blotting			<b>Dilution</b> 1:1000		
Storage		Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 μg/ml BSA and 50% glycerol. Store at – 20°C. Do not aliquot the antibody.					
Specificity/Sensit	ivity	Phospho-FLT3 (Tyr591) Antibody detects endogenous FLT3 only when phosphorylated at tyrosine 591. The antibody does not cross-react with other FLT family members. It may cross-react with some tyrosine phosphorylated proteins.					
Source / Purificat	tion	Polyclonal antibodies are produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr591 of human FLT3. Antibodies are purified by protein A and peptide affinity chromatography.					
Background		kinase family, which hematopoietic proge system (1,2). FLT3 is autophosphorylatior PI3 kinase, SHP2, GR Tyr589/591 is located regulation of FLT3 ty	includes c-Kit, PDGFR enitor cells and suppo activated after bindin n and tyrosine phosph B2, and Shc have all k d in the juxtamembra rosine kinase activity.	alled FLK2) is a membe , and M-CSF receptors. rts growth and differer g with its ligand FL, wh orylation of downstrea been reported to associ ne region of FLT3 and r Somatic mutations of s with acute myeloid le	FLT3 is expressed o ntiation within the h ich results in a casc m substrates (3). Th ate with FLT3 after may play an importa FLT3 consisting of ir	n early ematopoietic ade of tyrosine ne p85 subunit of FL stimulation (4-6). ant role in	
Background Refe	rences	2. Naoe, T. et al. (200 3. Namikawa, R. et al 4. Beslu, N. et al. (19 5. Zhang, S. and Broz 6. Zhang, S. et al. (19	1) <i>Cancer Chemother</i> I. (1996) <i>Stem Cells</i> 14 96) <i>J Biol Chem</i> 271, 2	0075-81. ochem Biophys Res Col 72-80.			
Species Reactivit	у	Species reactivity is o	determined by testing	in at least one approve	ed application (e.g.,	western blot).	
Western Blot Buf	fer	IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.				ר 5% w/v BSA, 1X	
Applications Key		W: Western Blotting					
Cross-Reactivity	Key	H: Human M: Mouse					
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