## FES (D5B4Y) Rabbit mAb



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Applications: WB, IP	Reactivity: H M	Sensitivity: Endogenous	<b>MW (kDa):</b> 93	Source/Isotype: Rabbit IgG	UniProt ID: #P07332	Entrez-Gene Id 2242	
Product Usage Information	Application			Dilution			
	Western Blotting			1:1000			
	Imr	nunoprecipitation		1:100			
Storage	•	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at $-20$ °C. Do not aliquot the antibody.					
Specificity / Sensitiv	vity FES (D5B4Y) Rabbit mAb recognizes en			ndogenous levels of total FES protein.			
Source / Purification		Monoclonal antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Pro422 of human FES protein.					
Background	Fes cata kina Fes Fes activ the	Fes/Fps and Fer are the only two members of a unique family of cytoplasmic protein tyrosine kinases (1,2). Fes and Fer contain a central Src homology-2 (SH2) domain and a carboxy-terminal tyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic protein tyrosine kinase subfamilies by the presence of amino-terminal Fer/CIP4 homology and coiled-coil domains (3). Fes/Fps was originally identified as an oncogene from avian (Fps) and feline (Fes) retroviruses. Human c-Fes has been implicated in myeloid, vascular endothelial and neuronal cell differentiation. Mutations may activate the Fps kinase and thereby contribute to cancer (4). However, recent data strongly suggests that the c-Fes protein-tyrosine kinase is a tumor suppressor rather than a dominant oncogene in colorectal cancer (5).					
Background Referer	2. G 3. S	<ol> <li>Smithgall, T.E. et al. (1998) Crit Rev Oncog 9, 43-62.</li> <li>Greer, P. (2002) Nat Rev Mol Cell Biol 3, 278-89.</li> <li>Sangrar, W. et al. (2005) Cancer Res 65, 3518-22.</li> <li>Ley, T.J. et al. (2003) Proc Natl Acad Sci U S A 100, 14275-80.</li> </ol>					

**Species Reactivity** 

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

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.

5. Delfino, F.J. et al. (2006) J Biol Chem 281, 8829-35.

**Applications Key** 

WB: Western Blotting IP: Immunoprecipitation

**Cross-Reactivity Key** 

H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster

X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse

GP: Guinea Pig Rab: rabbit All: all species expected

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