

Rabbit FES Polyclonal Antibody | anti-FES antibody

FES Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326780	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

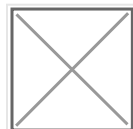
PRODUCT SYNONYMS

FES; Polyclonal Antibody; FES Antibody; c-fes/fps protein; cFES; Feline sarcoma (Snyder Theilen) viral (v fes)/Fujinami avian sarcoma (PRCII) viral (v fps) oncogene homolog; feline sarcoma (Snyder-Theilen) viral (v-fes)/Fujinami; Feline sarcoma oncogene; Feline sarcoma/Fujinami avian sarcoma oncogene homolog; fes; FES proto oncogene; tyrosine kinase; FES_HUMAN; FPS; Oncogene FES; Oncogene FES feline sarcoma virus; P93c fes; Proto oncogene tyrosine protein kinase Fes/Fps; Proto-oncogene c-Fes; Proto-oncogene c-Fps; proto-oncogene tyrosine-protein kinase Fes/Fps; Tyrosine-protein kinase Fes/Fps; anti-FES antibody

PRODUCT SPECIFICATIONS

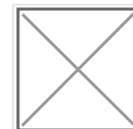
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	FES antibody detects endogenous levels of total FES
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	764
Applicable Applications for anti-FES antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human FES
Subcellular Location	Cytoskeleton; Golgi Apparatus; Cytosol; Plasma Membrane
Tissue Specificity	Widely expressed. Detected in adult colon epithelium.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of A549 whole cell lysates, using FES Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326780 at 1/100 staining Mouse colon tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-FES antibody	Description: This gene encodes the human cellular counterpart of a feline sarcoma retrovirus protein with transforming capabilities. The gene product has tyrosine-specific protein kinase activity and that activity is required for maintenance of cellular transformation. Its chromosomal location has linked it to a specific translocation event identified in patients with acute promyelocytic leukemia but it is also involved in normal hematopoiesis as well as growth factor and cytokine receptor signaling. Alternative splicing results in multiple variants encoding different isoforms. Function: Tyrosine-protein kinase that acts downstream of cell surface receptors and plays a role in the regulation of the actin cytoskeleton, microtubule assembly, cell attachment and cell spreading. Plays a role in FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Acts down-stream of the activated FCER1 receptor and the mast/stem cell growth factor receptor KIT. Plays a role in the regulation of mast cell degranulation. Plays a role in the regulation of cell differentiation and promotes neurite outgrowth in response to NGF signaling. Plays a role in cell scattering and cell migration in response to HGF-induced activation of EZR. Phosphorylates BCR and down-regulates BCR kinase activity. Phosphorylates HCLS1/HS1, PECAM1, STAT3 and TRIM28. Subunit Structure: Homooligomer. Interacts with BCR. Interacts (when activated, via coiled coil domain) with TRIM28. Interacts (via SH2 domain) with phosphorylated EZR, MS4A2/FCER1B and HCLS1/HS1. Interacts with phosphorylated KIT. Interacts with FLT3. Interacts (via F-BAR domain) with soluble tubulin. Interacts (via SH2 domain) with microtubules. Post-translational Modifications: Autophosphorylated on Tyr-713. Phosphorylated by LYN in response to FCER1 activation. Phosphorylated by HCK. Similarity: The coiled coil domains are important for regulating the kinase activity. They mediate homooligomerization and probably also interaction with other proteins.The N-terminal region including the first coiled coil domain mediates interaction with phosphoinositide-containing membranes. Belongs to the protein kinase superfamily. Tyr protein kinase family. Fes/fps subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	219842230
NCBI GeneID	2242
NCBI Accession #	NP_001137255.1
NCBI GenBank Nucleotide #	NM_001143783.1
UniProt Accession #	P07332; Q2VXS7; Q2VXS8; Q2VXT0; Q6GTU5; B2R6E6; B4DUD0; E9PC94; E9PC95
Molecular Weight	Observed: 93 kDa Predicted: 94 kDa
NCBI Official Full Name	tyrosine-protein kinase Fes/Fps isoform 2
NCBI Official Synonym Full Names	FES proto-oncogene, tyrosine kinase
NCBI Official Symbol	FES
NCBI Official Synonym Symbols	FPS
NCBI Protein Information	tyrosine-protein kinase Fes/Fps
UniProt Protein Name	Tyrosine-protein kinase Fes/Fps
UniProt Gene Name	FES
UniProt Synonym Gene Names	FPS

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