



Fes Monoclonal Antibody

Catalog No	YP-Ab-14145
Isotype	IgG
Reactivity	Human
Applications	WB;IHC;IF;ELISA
Gene Name	FES
Protein Name	Tyrosine-protein kinase Fes/Fps
Immunogen	Purified recombinant fragment of Fer expressed in E. Coli.
Specificity	Fes Monoclonal Antibody detects endogenous levels of Fes protein.
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	WB: 1/500 - 1/2000. IHC: 1/200 - 1/1000. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FES; FPS; Tyrosine-protein kinase Fes/Fps; Feline sarcoma/Fujinami avian sarcoma oncogene homolog; Proto-oncogene c-Fes; Proto-oncogene c-Fps; p93c-fes
Observed Band	
Cell Pathway	Cytoplasm, cytosol. Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle. Golgi apparatus. Cell junction, focal adhesion. Distributed throughout the cytosol when the kinase is not activated. Association with microtubules requires activation of the kinase activity. Shuttles between focal adhesions and cell-cell contacts in epithelial cells. Recruited to the lateral cell membrane in polarized epithelial cells by interaction with phosphorylated EZR. Detected at tubular membrane structures in the cytoplasm and at the cell periphery.
Tissue Specificity	Widely expressed. Detected in adult colon epithelium (at protein level) (PubMed:16455651, PubMed:19051325). Expressed in melanocytes (at protein level) (PubMed:28463229).
Function	catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family.,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. Fes/fps subfamily.,similarity:Contains 1 FCH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SH2 domain.,



Background

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.[provided by RefSeq, Jan 2009],

matters needing attention

Avoid repeated freezing and thawing!

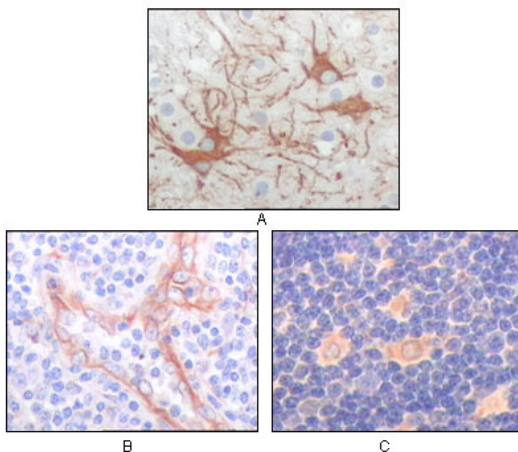
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis using Fes Monoclonal Antibody against truncated Fes recombinant protein.



Immunohistochemistry analysis of paraffin-embedded human cerebrum tumor (A), endothelium of vessel (B), lymphocyte of thymus (C), showing cytoplasmic localization with DAB staining using Fes Monoclonal Antibody.