

Product datasheet for **AM06182SU-N**

FES Mouse Monoclonal Antibody [Clone ID: 2E3G3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2E3G3
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA: 1/10000. Western Blotting: 1/500 - 1/2000. Immunohistochemistry on Paraffin Sections: 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of FES expressed in E. Coli.
Specificity:	Recognizes FES (Feline Sarcoma Oncogene).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	FES proto-oncogene, tyrosine kinase
Database Link:	Entrez Gene 2242 Human P07332



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Background:

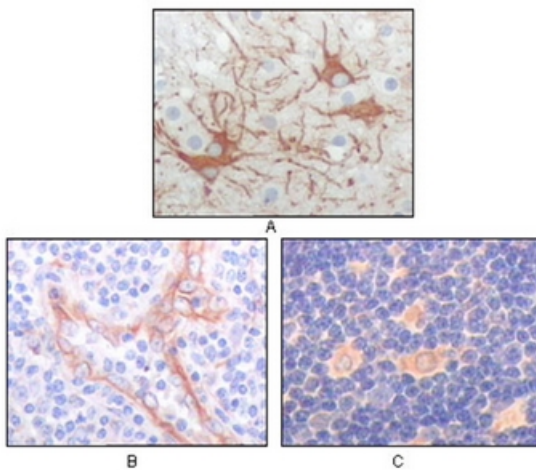
FES (Feline Sarcoma Oncogene) and Fer are the only two members of a unique family of cytoplasmic protein tyrosine kinases. FES and Fer contain a central Src homology-2 (SH2) domain and a carboxy-terminal tyrosine kinase catalytic domain. They are structurally distinguished from other members of cytoplasmic protein tyrosine kinase subfamilies by the presence of amino-terminal Fer/CIP4 homology and coiled-coil domains. FES was originally identified as an oncogene from avian and feline retroviruses. Human c-Fes has been implicated in myeloid, vascular endothelial and neuronal cell differentiation. FES has tyrosine-specific protein kinase activity and that activity is required for maintenance of cellular transformation. Mutations may activate the FES kinase and thereby contribute to cancer. However, recent data strongly suggests that the c-FES protein-tyrosine kinase is a tumor suppressor rather than a dominant oncogene in colorectal cancer.

Synonyms:

FES, FPS, Proto-oncogene c-Fps

Product images:


Western blot analysis using FES antibody Cat.-No AM06182SU-N against truncated FES recombinant protein.



Immunohistochemical analysis of paraffin-embedded human cerebrum tumor (A), endothelium of vessel (B), lymphocyte of thymus (C), showing cytoplasmic localization using FES antibody Cat.-No AM06182SU-N with DAB staining.