

Datasheet for ABIN969134
anti-FES antibody (AA 613-822)[2 Images](#)[3 Publications](#)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	FES
Binding Specificity:	AA 613-822
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of FES (AA:613-822)expressed in E. coli.
Clone:	2E3G3
Isotype:	IgG1
Purification:	purified

Target Details

Target:	FES
Alternative Name:	FES (FES Products)
Background:	Description: 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

Target Details

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.

Aliases: FPS

Gene ID: 2242

HGNC: 2242

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: **BMC genomics**, Vol. 20, Issue 1, pp. 15, (2019) ([PubMed](#)).

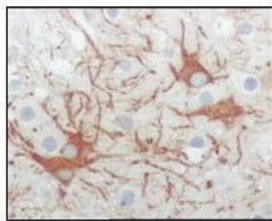
Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary immunology and immunopathology**, Vol. 182, pp. 52-58, (2016) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis using FES mouse mAb against truncated FES recombinant protein.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human cerebrum tumor (A), endothelium of vessel (B), lymphocyte of thymus(C), showing cytoplasmic localization using FES mouse mAb with DAB staining.

