

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Fes in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 678527
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Fes Ser270-Ala370 Accession # P07332
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Fes (homolog of feline sarcoma oncogene), also called c-FES or c-FPS, is a 92 kDa protein within subgroup IV of the non-receptor tyrosine kinase family. It is expressed in myeloid hematopoietic cells, vascular endothelium and neurons and regulates cell adhesion and extravasation. The 822 amino acid (aa) human Fes contains F-BAR (aa 7-239), SH2 (aa 460-549) and kinase (aa 561-822) domains. The F-BAR domain contains coiled-coil homo-oligomerization and microtubule binding sequences. Within the region used as an immunogen, human Fes shares 85% and 87% aa identity with mouse and rat Fes, respectively. Human isoforms of 764, 752, 694 and 681 aa may be missing aa 72-129 or 441-511 and/or contain an alternate 17 aa for aa 610-640, while an isoform of 891 aa contains 18 and 51 aa inserted after aa 510 and 568.

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