

Human Fes Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF6460

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Fes in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human Fes aa 169-370 Accession # P07332
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.				
	Recommended Concentration	Sample		
Western Blot	2 μg/mL	See Below		

DATA

Detection of Human Fes by Western Blot. Western blot shows lysates of HEL 92.1.7 human erythroleukemic cell line. PVDF Membrane was probed with 2 µg/mL of Goat Anti-Human Fes Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6460) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Fes at approximately 93 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE			
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS		
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C		
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.		

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.

Rev. 11/16/2018 Page 1 of 1

