

DESCRIPTION

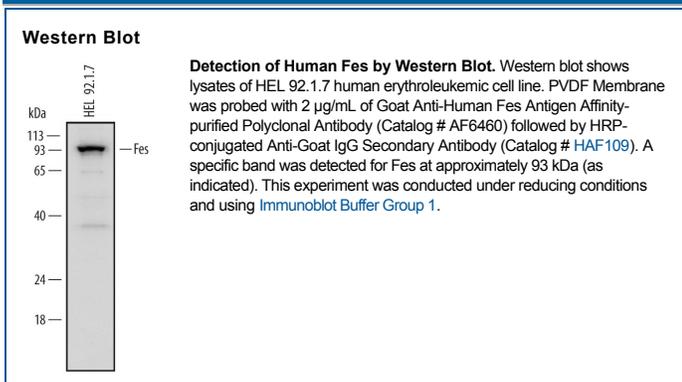
Species Reactivity	Human
Specificity	Detects human Fes in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Fes aa 169-370 Accession # P07332
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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



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. <ul style="list-style-type: none"> • 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.