

DESCRIPTION

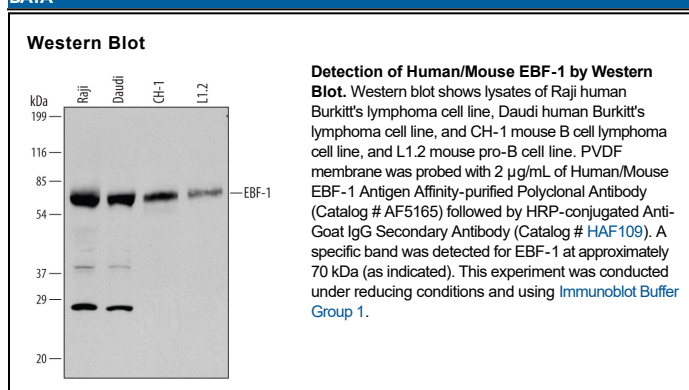
Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse EBF-1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse EBF-1 Arg416-Ser520 Accession # Q07802
Formulation	Lyophilized from a 0.2 µm filtered 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

EBF-1 (Early B cell Factor 1; also OLF1 and COE1) is a 65-70 kDa member of the COE family of transcription factors. Although expressed in adipocytes and neurons, it is best studied in B cells where IL-7 acts to promote EBF-1 in pre-proB cells, leading to proB stage development. Mouse EBF-1 is 591 amino acids (aa) in length. It contains one DNA-binding region with an embedded zinc-finger motif (aa 51-235), a dimerization segment between aa 370-430, and a Pro/Ser-rich transactivation domain (aa 462-550). EBF-1 either homodimerizes, or heterodimerizes with EBF-2 and -3. There is an alternate start site at Met134, and an isoform that shows a one aa substitution for aa 252-259. Over aa 416-520, mouse EBF-1 shows absolute aa identity to the equivalent sequence in rat and human EBF-1.