

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
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.

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

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.

PRODUCT SPECIFIC NOTICES

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