

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects endogenous human and mouse EBF-3 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse EBF-3 Ile399-Ser504 Accession # O08791-2
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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-3 (Early B cell Factor 3; also OE2 and COE3) is a 65 kDa (predicted) member of the COE family of transcription factors. It has limited expression, being identified principally in cerebellar Purkinje cells, olfactory neurons, and differentiating mantle layer neurons. Mouse EBF-3 is 596 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 371-431, and a Pro/Ser-rich transactivation domain (aa 464-555). EBF-3 either homodimerizes, or heterodimerizes with EBF-2 or -1. There are at least two potential splice variants, one that shows a nine aa deletion between aa 252 - 260, and a second that shows the same deletion coupled to a one aa substitution for aa 521-557. Over aa 399-504, mouse EBF-3 shows more than 99% aa identity to rat and human EBF-3.

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