

# EBF1 Rabbit pAb

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Catalog # AP54730

## Product Information

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<b>Application</b>	IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9UH73</a>
<b>Predicted</b>	Human, Mouse, Rat, Chicken, Dog, Horse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	64464
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human EBF1
<b>Epitope Specificity</b>	75-170/591
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A
<b>Buffer</b>	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
<b>SUBCELLULAR LOCATION</b>	Nucleus (Potential).
<b>SIMILARITY</b>	Belongs to the COE family. Contains 1 IPT/TIG domain.
<b>SUBUNIT</b>	Forms either a homodimer or a heterodimer with a related family member (By similarity). Interacts with ZNF423 and ZNF521, leading to prevent EBF1 to bind DNA and activate target genes.
<b>Important Note</b>	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
<b>Background Descriptions</b>	Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGAATT-3'.

## Additional Information

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<b>Gene ID</b>	1879
<b>Other Names</b>	Transcription factor COE1, O/E-1, OE-1, Early B-cell factor, EBF1, COE1, EBF
<b>Dilution</b>	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:500 0-10000
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	EBF1
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**Synonyms** COE1, EBF

**Function** Key pioneer transcription factor of B-cell specification and commitment (PubMed:[27807034](#)). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. Operates in a transcription factor network to activate B-cell-specific genes and repress genes associated with alternative cell fates. For instance, positively regulates many B- cell specific genes including BCR or CD40 while repressing genes that direct cells into alternative lineages, including GATA3 and TCF7 for the T-cell lineage. In addition to its role during lymphopoiesis, controls the thermogenic gene program in adipocytes during development and in response to environmental cold (By similarity).

**Cellular Location** Nucleus.

## Background

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Transcriptional activator which recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.