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Goat Anti-EBF1 / COE1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1353a

Specification

Goat Anti-EBF1 / COE1 Antibody - Product Information

Application	**WB**
Primary Accession	Q9UH73
Other Accession	NP_076870, 1879, 13591 (mouse), 116543 (rat)
Reactivity	**Human, Mouse**
Predicted	**Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**64464**

Goat Anti-EBF1 / COE1 Antibody - Additional Information

Gene ID 1879

Other Names
Transcription factor COE1, O/E-1, OE-1, Early B-cell factor, EBF1, COE1, EBF

Format
0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-EBF1 / COE1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-EBF1 / COE1 Antibody - Protein Information

Name EBF1

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.

Goat Anti-EBF1 / COE1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-EBF1 / COE1 Antibody - Images



AF1353a (0.3 µg/ml) staining of Human Adipose lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-EBF1 / COE1 Antibody - References

Genomic profiling of adult acute lymphoblastic leukemia by single nucleotide polymorphism oligonucleotide microarray and comparison to pediatric acute lymphoblastic leukemia. Okamoto R, et al. Haematologica, 2010 Sep. PMID 20435627.
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Analysis of multiple candidate genes in association with phenotypes of multiple sclerosis. Sombekke MH, et al. Mult Scler, 2010 Jun. PMID 20378664.
Distinct promoters mediate the regulation of Ebf1 gene expression by interleukin-7 and Pax5. Roessler S, et al. Mol Cell Biol, 2007 Jan. PMID 17101802.
Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.