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EDF1 Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8927c

Specification

EDF1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O60869

EDF1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 8721

Other Names
Endothelial differentiation-related factor 1, EDF-1, Multiprotein-bridging factor 1, MBF1, EDF1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8927c was selected from the Center region of human EDF1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

EDF1 Antibody (Center) Blocking Peptide - Protein Information

Name EDF1

Function
Transcriptional coactivator stimulating NR5A1 and ligand- dependent NR1H3/LXRA and PPARG transcriptional activities. Enhances the DNA-binding activity of ATF1, ATF2, CREB1 and NR5A1. Regulates nitric oxid synthase activity probably by sequestering calmodulin in the cytoplasm. May function in endothelial cells differentiation, hormone- induced cardiomyocytes hypertrophy and lipid metabolism.

Cellular Location
Cytoplasm. Nucleus. Note=Also nuclear upon binding to NR5A1 and treatment of cells with TPA or forskolin

Tissue Location
Expressed in brain, liver, lung, kidney and heart (at protein level). Ubiquitously expressed. More

abundant in heart, pancreas, liver, intestine and adipose tissues

EDF1 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

EDF1 Antibody (Center) Blocking Peptide - Images

EDF1 Antibody (Center) Blocking Peptide - Background

EDF1 encodes a protein that may regulate endothelial cell differentiation. It has been postulated that the protein functions as a bridging molecule that interconnects regulatory proteins and the basal transcriptional machinery, thereby modulating the transcription of genes involved in endothelial differentiation. This protein has also been found to act as a transcriptional coactivator by interconnecting the general transcription factor TATA element-binding protein (TBP) and gene-specific activators. Two alternatively spliced transcripts which encode distinct proteins have been found for this gene.

EDF1 Antibody (Center) Blocking Peptide - References

Humphray,S.J.,et.al., Nature 429 (6990), 369-374 (2004)