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EOMES (TBR2) Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP2703a

Specification

EOMES (TBR2) Antibody (N-term) Blocking peptide - Product Information

Primary Accession O95936

EOMES (TBR2) Antibody (N-term) Blocking peptide - Additional Information

Gene ID 8320

Other Names
Eomesodermin homolog, T-box brain protein 2, T-brain-2, TBR-2, EOMES, TBR2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2703a was selected from the N-term region of human EOMES. 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.

EOMES (TBR2) Antibody (N-term) Blocking peptide - Protein Information

Name EOMES

Synonyms TBR2

Function
Functions as a transcriptional activator playing a crucial role during development. Functions in trophoblast differentiation and later in gastrulation, regulating both mesoderm delamination and endoderm specification. Plays a role in brain development being required for the specification and the proliferation of the intermediate progenitor cells and their progeny in the cerebral cortex (PubMed:17353897). Required for differentiation and migration of unipolar dendritic brush cells (PubMed:33488348). Also involved in the differentiation of CD8+ T-cells during immune response regulating the expression of lytic effector genes (PubMed:17566017).

Cellular Location
Nucleus.

Tissue Location
Expressed in CD8+ T-cells.

EOMES (TBR2) Antibody (N-term) Blocking peptide - Protocols

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

- Blocking Peptides

EOMES (TBR2) Antibody (N-term) Blocking peptide - Images

EOMES (TBR2) Antibody (N-term) Blocking peptide - Background

This protein is a member of a conserved protein family that shares a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. A similiar protein disrupted in mice is shown to be essential during trophoblast development and gastrulation.

EOMES (TBR2) Antibody (N-term) Blocking peptide - References

Baala,L., Nat. Genet. 39 (4), 454-456 (2007)Intlekofer,A.M.,Nat. Immunol. 6 (12), 1236-1244 (2005)Kimura,N., Brain Res. Dev. Brain Res. 115 (2), 183-193 (1999)Yi,C.H.,Genomics 55 (1), 10-20 (1999)