

Anti-Human/Mouse EOMES Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA03754**

3th Edition

Description: This gene belongs to the TBR1 (T-box brain protein 1) sub-family of T-box genes that share the common DNA-binding T-box domain. The encoded protein is a transcription factor which is crucial for embryonic development of mesoderm and the central nervous system in vertebrates. The protein may also be necessary for the differentiation of effector CD8+ T cells which are involved in defense against viral infections. A similar gene disrupted in mice is shown to be essential during trophoblast development and gastrulation. Alternative splicing results in multiple transcript variants. EOMES (Eomesodermin) is a Protein Coding gene. Diseases associated with EOMES include Microcephaly-Polymicrogyria-Corpus Callosum Agenesis Syndrome and Microcephaly With Polymicrogyria. Among its related pathways are Mesodermal Commitment Pathway and Embryonic and Induced Pluripotent Stem Cell Differentiation Pathways and Lineage-specific Markers. GO annotations related to this gene include transcription factor activity, sequence-specific DNA binding and chromatin binding. An important paralog of this gene is TBR1.

Antigen: Synthesized peptide derived from the N-terminal region of human EOMES.

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Expressed in CD8+ T-cells.