

For Research Use Only

# EOMES/TBR2 Polyclonal antibody

Catalog Number:33826-1-AP



## Basic Information

**Catalog Number:**

33826-1-AP

**Size:**

150ul , Concentration: 410 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG39989

**GenBank Accession Number:**

NM\_005442.3

**GeneID (NCBI):**

8320

**UNIPROT ID:**

O95936

**Full Name:**

eomesodermin homolog (Xenopus laevis)

**Calculated MW:**

686aa, 73 kDa

**Observed MW:**

70-72 kDa

**Purification Method:**

Antigen affinity Purification

**Recommended Dilutions:**

WB: 1:500-1:2000

FC (Intra): 0.5 ug per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

**Tested Applications:**

WB, FC (Intra), ELISA

**Species Specificity:**

human

**Positive Controls:**

WB : NK-92 cells,

FC (Intra) : NK-92 cells,

## Background Information

EOMES/TRB2 (also named Eomesodermin/Tbr2) encodes T-box transcription factor expressed highly in the intermediate progenitor stage of the developing neuron. During migration of the neurons, radial glia divide and migrate towards the surface of the cerebral cortex, there are three stages of cellular development: radial glia, intermediate progenitors, and postmitotic projection neurons. Radial glia express Pax6, while intermediate progenitor cells express Eomesodermin/Tbr2, and postmitotic projection neurons express Tbr1 (PMID:15634788; PMID:16320258). This process also called neurogenesis, and demonstrated that Eomesodermin/Tbr2 has been implicated in neurodevelopment. According to the mouse model, several articles showed that EOMES/TRB2 KO mice having proliferating cells decreased and having smaller upper cortical layers and a smaller subventricular zone in the brain (PMID:18940588). What's more, Eomesodermin/Tbr2 has also been found participating in immune response (PMID:20713880).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

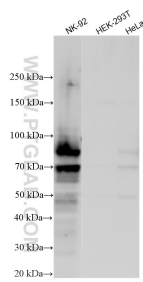
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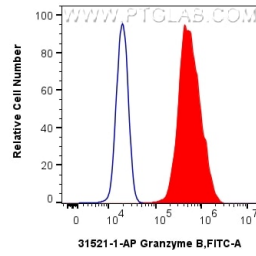
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33826-1-AP (EOMES antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  NK-92 cells were intracellularly stained with 0.5  $\mu$ g EOMES/TBR2 Polyclonal antibody (33826-1-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.5  $\mu$ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).