

For Research Use Only

EOMES/TBR2 Polyclonal antibody

Catalog Number:33826-1-AP



Basic Information

Catalog Number:

33826-1-AP

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 10⁶ 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

For technical support and original validation data for this product please contact:

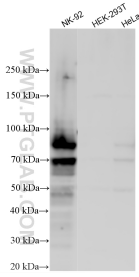
T: 4006900926

E: Proteintech-CN@ptglab.com

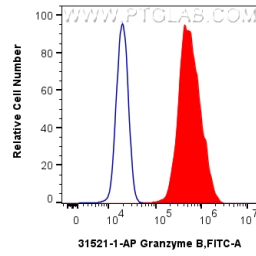
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Selected Validation Data



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.



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