

For Research Use Only

CoraLite® Plus 488-conjugated EOMES/TRB2 Recombinant antibody

Catalog Number: CL488-83945-5



Basic Information

Catalog Number:

CL488-83945-5

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27634

GenBank Accession Number:

NM_001278182

GeneID (NCBI):

8320

UNIPROT ID:

O95936

Full Name:

eomesodermin homolog (Xenopus laevis)

Calculated MW:

73 aa

Observed MW:

67 kDa

Purification Method:

Protein A purification

CloneNo.:

241036D9

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF/ICC : SH-SY5Y cells,

Background Information

EOMES/TRB2 (also named Eomesodermin/Tbr2) encode 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 sub ventricular 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

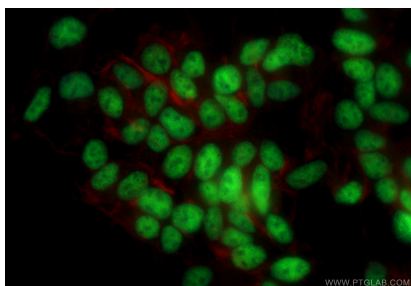
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using CoraLite® Plus 488 EOMES/TBR2 antibody (CL488-83945-5, Clone: 241036D9) at dilution of 1:200, CL594-Phalloidin (red).