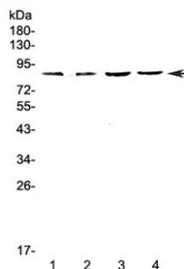


EOMES Antibody / Eomesodermin / TBR2 (RQ4360)

Catalog No.	Formulation	Size
RQ4360	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	O95936
Localization	Nuclear
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This EOMES antibody is available for research use only.



Western blot testing of 1) rat spleen, 2) rat thymus, 3) mouse spleen and 4) mouse thymus lysate with EOMES antibody at 0.5ug/ml. Expected molecular weight: 73-85 kDa.

Description

Eomesodermin also known as T-box brain protein 2 (Tbr2) is a protein that in humans is encoded by the EOMES gene. 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.

Application Notes

Optimal dilution of the EOMES antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids T310-D532 was used as the immunogen for the EOMES antibody.

Storage

After reconstitution, the EOMES antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.