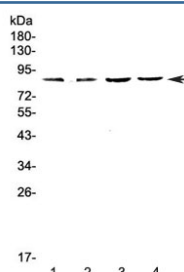


EOMES Antibody / Eomesodermin / TBR2 (RQ4360)

| 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 |
| 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.