

## Chicken EOMES Polyclonal Antibody | anti-EOMES antibody

EOMES (Eomesodermin Homolog, T-box Brain Protein 2, TBR2, T-brain-2, TBR-2)

| CATALOG # | HOST    | REACTIVITY        | APPLICATIONS                       |
|-----------|---------|-------------------|------------------------------------|
| AAA26891  | Chicken | Mouse, Human, Rat | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

EOMES; Polyclonal Antibody; EOMES (Eomesodermin Homolog; T-box Brain Protein 2; TBR2; T-brain-2; TBR-2); anti-EOMES antibody

### PRODUCT SPECIFICATIONS

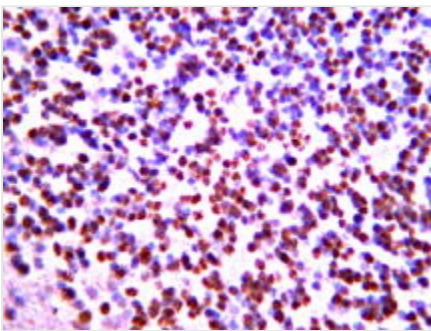
|                                                 |                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Chicken                                                                                                                                                                                                                                                                                                                                                                              |
| Reactivity                                      | Mouse, Human, Rat                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                                                                                           |
| Isotype                                         | IgY                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity                                     | Recognizes mouse Tbr2 observed at ~85/95kD. Target bands appear larger than the calculated molecular size of 74.8kD (isoform 1) and 72.7kD (isoform 2). Species Crossreactivity: human and rat                                                                                                                                                                                       |
| Purity/Purification                             | Purified by affinity chromatography.                                                                                                                                                                                                                                                                                                                                                 |
| Form/Format                                     | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.                                                                                                                                                                                                                                                                                                |
| Applicable Applications for anti-EOMES antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                        |
| Application Notes                               | IHC-P: 1:1000 detected Tbr2 in mouse and human brain. Requires HIER with citrate buffer pH 6.0<br>WB: 0.05ug/ml detected Tbr2 in 10ug of E13-14 mouse brain lysates.<br>Applications are based on unconjugated antibody.                                                                                                                                                             |
| Immunogen                                       | Linear peptide corresponding to mouse EOMES, conjugated to KLH. Epitope: C-Terminus.                                                                                                                                                                                                                                                                                                 |
| Conjugate                                       | MaxLight650                                                                                                                                                                                                                                                                                                                                                                          |
| Positive Control                                | E13-14 mouse brain lysate                                                                                                                                                                                                                                                                                                                                                            |
| Note                                            | Preservative Free                                                                                                                                                                                                                                                                                                                                                                    |
| Preparation and Storage                         | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |

IMAGES



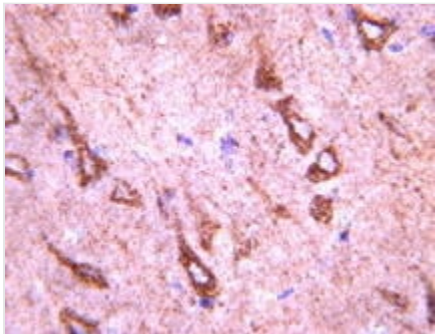
IHC (Immunohistochemistry)

Immunohistochemistry Analysis: Representative lot data. (Fig. 1 and 2) Paraffin-embedded mouse and human brain tissue was prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a 1:100 dilution. Reactivity was detected using the IHC-Select Detection Kit. Staining pattern appears as cytoplasmic. (Fig. 3 and 4) Paraffin-embedded mouse and mouse olfactory lobe and cerebellum brain tissue was prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a Chicken IgY Antibody 1:100 dilution of Cat. No. AB15894, anti-Tbr2. Reactivity was detected using the IHC-Select Detection Kit. Immunoreactivity seen here is mostly nuclear.



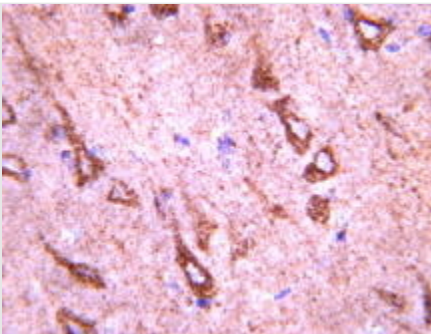
IHC (Immunohistochemistry)

Paraffin-embedded mouse cerebellum was prepared using epitope retrieval in citrate buffer, pH 6.0. Staining was performed using 1:100 dilution. Immuno-reactivity is mostly nuclear.



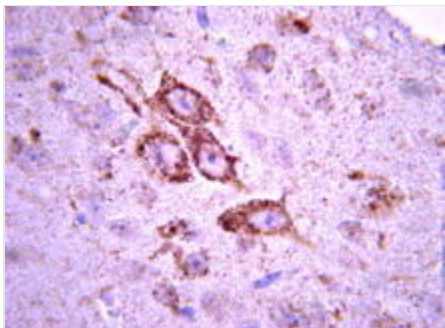
IHC (Immunohistochemistry)

Paraffin-embedded mouse olfactory lobe was prepared using epitope retrieval in citrate buffer, pH 6.0. Staining was performed using a 1:100 dilution. Reactivity is mostly nuclear.



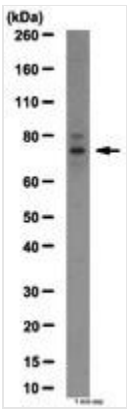
IS (Immunostaining)

Paraffin-embedded human brain tissue was prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a 1:100 dilution. Staining pattern appears as cytoplasmic.



IS (Immunostaining)

Paraffin-embedded mouse brain tissue was prepared using heat-induced epitope retrieval in citrate buffer, pH 6.0. Immunostaining was performed using a 1:100 dilution. Staining pattern appears as cytoplasmic.



WB (Western Blot)

Western Blot Analysis: Representative lot data. E13-14 mouse brain lysate was resolved by electrophoresis, transferred to PVDF membranes and probed with (1:10,000) dilution. Proteins were visualized using a Rabbit Anti-Chicken conjugated to HRP and a chemi-luminescence detection system. Arrow indicates Tbr2 (~73 kD).

ADDITIONAL INFORMATION

|                                                   |                      |
|---------------------------------------------------|----------------------|
| Product Categories/Family for anti-EOMES antibody | Antibodies; Proteins |
|---------------------------------------------------|----------------------|

NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 83921572 |
| NCBI GeneID | 13813    |

|                                  |                                |
|----------------------------------|--------------------------------|
| NCBI Accession #                 | <a href="#">NP_034266</a>      |
| NCBI GenBank Nucleotide #        | <a href="#">NM_010136</a>      |
| UniProt Accession #              | <a href="#">O54839</a>         |
| Molecular Weight                 | 75kDa                          |
| NCBI Official Full Name          | eomesodermin homolog isoform 1 |
| NCBI Official Synonym Full Names | eomesodermin                   |
| NCBI Official Symbol             | Eomes                          |
| NCBI Official Synonym Symbols    | Tbr2; TBR-2; C77258            |
| NCBI Protein Information         | eomesodermin homolog           |
| UniProt Protein Name             | Eomesodermin homolog           |
| UniProt Gene Name                | <b>Eomes</b>                   |
| UniProt Synonym Gene Names       | Tbr2; T-brain-2; TBR-2         |
| UniProt Entry Name               | EOMES_MOUSE                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/eomes-antibody-immunohistochemistry-western-blot-elisa/26891>