

## Product datasheet for **CF807511**

### EIF1AY Mouse Monoclonal Antibody [Clone ID: OTI2G2]

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Clone Name:             | OTI2G2   |
| Applications:           | WB   |
| Recommended Dilution:   | WB 1:2000  |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Mouse  |
| Isotype:                | IgG2a  |
| Clonality:              | Monoclonal   |
| Immunogen:              | Human recombinant protein fragment corresponding to amino acids 2-144 of human EIF1AY(NP_004672) produced in E.coli.   |
| Formulation:            | Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)  |
| Reconstitution Method:  | For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific) |
| Purification:           | Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C as received.  |
| Stability:              | Stable for 12 months from date of receipt.   |
| Predicted Protein Size: | 16.3 kDa   |
| Gene Name:              | eukaryotic translation initiation factor 1A Y-linked   |
| Database Link:          | <a href="#">NP_004672</a><br><a href="#">Entrez Gene 9086 Human</a><br><a href="#">O14602</a>  |

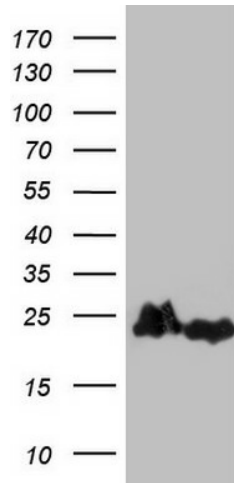
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**Background:**

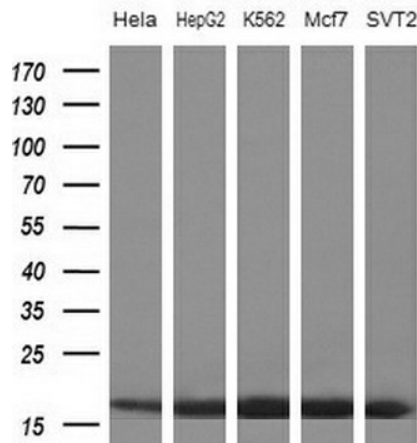
This gene is located on the non-recombining region of the Y chromosome. It encodes a protein related to eukaryotic translation initiation factor 1A (EIF1A), which may function in stabilizing the binding of the initiator Met-tRNA to 40S ribosomal subunits. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]

**Synonyms:**

eIF-4C

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY EIF1AY (Cat# [RC202695], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-EIF1AY(Cat# [TA807511]). Positive lysates [LY417819] (100ug) and [LC417819] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (10ug) from 5 different cell lines by using anti-EIF1AY monoclonal antibody at 1:200 dilution.