

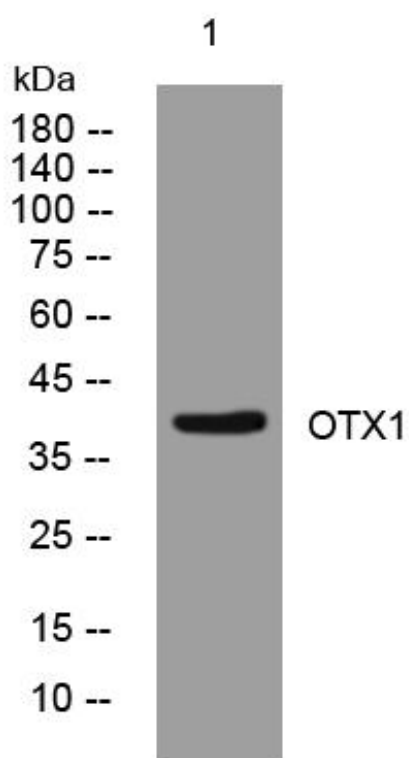


# OTX1 mouse mAb

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                | YP-mAb-07947                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                   | IgG                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Reactivity</b>                | Human; Mouse;Rat                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>              | WB                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Gene Name</b>                 | OTX1                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Name</b>              | OTX1                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Immunogen</b>                 | Synthesized peptide derived from human OTX1 AA range: 236-286                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Specificity</b>               | This antibody detects endogenous levels of OTX1 at Human/Mouse/Rat                                                                                                                                                                                                                                                                                                                                                              |
| <b>Formulation</b>               | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.61% sodium azide.                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>                    | Monoclonal, Mouse,IgG                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification</b>              | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                            |
| <b>Dilution</b>                  | WB 1:500-1:2000                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Concentration</b>             | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purity</b>                    | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Stability</b>         | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>                  | Homeobox protein OTX1 (Orthodenticle homolog 1)                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Observed Band</b>             | 38kD                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cell Pathway</b>              | Nucleus .                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Tissue Specificity</b>        | Expressed in brain. Detected in the anterior part of the neural fetal retina (at protein level).                                                                                                                                                                                                                                                                                                                                |
| <b>Function</b>                  | developmental stage:Embryo.,function:Probably plays a role in the development of the brain and the sense organs. Can bind to the BCD target sequence (BTS): 5'-TCTAATCCC-3'.,similarity:Belongs to the paired homeobox family. Bicoid subfamily.,similarity:Contains 1 homeobox DNA-binding domain.,tissue specificity:Expressed in brain.,                                                                                     |
| <b>Background</b>                | This gene encodes a member of the bicoid sub-family of homeodomain-containing transcription factors. The encoded protein acts as a transcription factor and may play a role in brain and sensory organ development. A similar protein in mouse is required for proper brain and sensory organ development and can cause epilepsy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015], |
| <b>matters needing attention</b> | Avoid repeated freezing and thawing!                                                                                                                                                                                                                                                                                                                                                                                            |

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**

Western Blot analysis of various cells using OTX1 mouse mAb