

## Product datasheet

# Anti-DBX1 antibody ab87327

1 Image

### Overview

|                            |   |
|----------------------------|---|
| <b>Product name</b>        | Anti-DBX1 antibody  |
| <b>Description</b>         | Rabbit polyclonal to DBX1   |
| <b>Host species</b>        | Rabbit  |
| <b>Tested applications</b> | <b>Suitable for:</b> WB   |
| <b>Species reactivity</b>  | <b>Reacts with:</b> Human<br><b>Predicted to work with:</b> Mouse, Rat, Rabbit, Horse, Guinea pig, Cow, Cat, Dog  |
| <b>Immunogen</b>           | Synthetic peptide corresponding to a region within internal sequence amino acids 288-337 (GCREQTLPTK LNPHPDLSDV GQKGGNEEE EEGPGSPSHR LAYHASSDPQ) of Human DBX1 (NP_001025036).<br><a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a> |
| <b>Positive control</b>    | Human fetal spleen lysate.  |

### Properties

|                             |  |
|-----------------------------|--|
| <b>Form</b>                 | Liquid   |
| <b>Storage instructions</b> | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |
| <b>Storage buffer</b>       | Preservative: None<br>Constituents: 2% Sucrose, PBS  |
| <b>Purity</b>               | Immunogen affinity purified  |
| <b>Clonality</b>            | Polyclonal   |
| <b>Isotype</b>              | IgG  |

### Applications

Our [Abpromise guarantee](#) covers the use of **ab87327** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes   |
|-------------|-----------|---|
| WB          |           | Use a concentration of 1 µg/ml. Detects a band of approximately 41 kDa (predicted molecular weight: 41 kDa). Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T. |

## Target

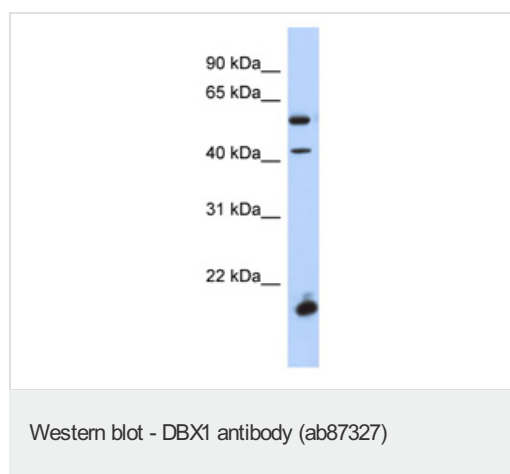
### Relevance

Dbx1 homeodomain transcription factor is expressed in progenitors at the boundary between the dorsal and ventral plates of the caudal neural tube, from which postmitotic cells migrate tangentially to their final destination. Dbx1 is implicated in patterning the central nervous system during embryogenesis. Cell fate allocation and cell diversity are determined at very early stages in progenitor cells at precise coordinates along the dorsoventral and anteroposterior axis. In the spinal cord, the spatially restricted expression of Dbx1 in progenitors is critical in establishing interneuron cell fates and helps coordinate diverse phenotypic features. In the telencephalon, Dbx1 is expressed in restricted progenitor domains at the borders of the developing pallium.

### Cellular localization

Nuclear

## Images



Anti-DBX1 antibody (ab87327) at 1 µg/ml (in 5% skim milk / PBS buffer) + Human fetal spleen lysate at 10 µg

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 41 kDa

**Observed band size:** 41 kDa

**Additional bands at:** <22 kDa, 55 kDa. We are unsure as to the identity of these extra bands.

Gel concentration: 12%

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