

## Product datasheet for **TA367502S**

### HOXD8 Rabbit Polyclonal Antibody

#### Product data:

|                         |                                                                    |
|-------------------------|--------------------------------------------------------------------|
| Product Type:           | Primary Antibodies                                                 |
| Applications:           | WB                                                                 |
| Recommended Dilution:   | WB: 200-1000<br>WB positive control: 293T and NIH/3T3 cell lysates |
| Reactivity:             | Human, Mouse                                                       |
| Host:                   | Rabbit                                                             |
| Isotype:                | IgG                                                                |
| Clonality:              | Polyclonal                                                         |
| Immunogen:              | Synthetic peptide of human HOXD8                                   |
| Formulation:            | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol                   |
| Purification:           | Antigen affinity purification                                      |
| Conjugation:            | Unconjugated                                                       |
| Storage:                | Store at -20°C.                                                    |
| Stability:              | 1 year                                                             |
| Predicted Protein Size: | 32 kDa                                                             |
| Gene Name:              | homeobox D8                                                        |
| Database Link:          | <a href="#">Entrez Gene 3234 Human P13378</a>                      |

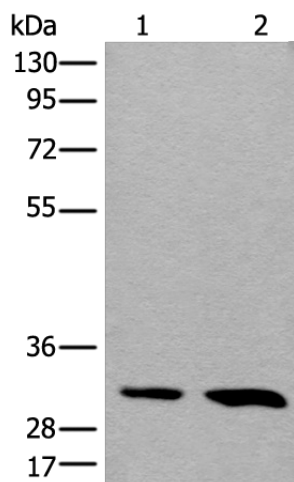
**Background:** This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function. Alternate splicing results in multiple transcript variants.

**Synonyms:** Hox-4E; Hox-5.4; HOX4; HOX4E; HOX5.4



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## Product images:



Gel: 8%SDS-PAGE

Lysate: 40  $\mu$ g

Lane 1-2: 293T and NIH/3T3 cell lysates

Primary antibody: [TA367502] (HOXD8 Antibody)  
at dilution 1/200

Secondary antibody: Goat anti rabbit IgG at  
1/8000 dilution

Exposure time: 30 seconds