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Datasheet for ABIN2814464  
**anti-HOXB3 antibody (AbBy Fluor® 594)**

### Overview

|              |  |
|--------------|--|
| Quantity:    | 100 µL   |
| Target:      | HOXB3  |
| Reactivity:  | Human, Mouse, Rat                                    |
| Host:        | Rabbit   |
| Clonality:   | Polyclonal   |
| Conjugate:   | This HOXB3 antibody is conjugated to AbBy Fluor® 594 |
| Application: | Western Blotting (WB)                                |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Hoxb3 |
| Isotype:              | IgG   |
| Predicted Reactivity: | Human, Mouse, Rat, Dog, Cow, Pig, Horse, Rabbit           |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |   |
|-------------------|---|
| Target:           | HOXB3   |
| Alternative Name: | Hoxb3 ( <a href="#">HOXB3 Products</a> )  |
| Background:       | Synonyms: Homeo box 2G, Homeo box B3, Homeobox B3, Homeobox protein Hox-2.7, Homeobox protein Hox-2G, Homeobox protein Hox-B3, Homeobox protein HoxB3, Hox 2.7, HOX 2G, HOX2, Hox2.7, HOX2G, HOXB3, HXB3_HUMAN.<br>Background: HOX genes play a fundamental role in the development of the vertebrate central |

## Target Details

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nervous system, heart, axial skeleton, limbs, gut, urogenital tract and external genitalia. There are multiple transcripts of the Hoxb3 gene, and the anterior boundaries of its expression vary at different stages of development. Hoxb3 plays a role in the proliferation and differentiation of both early myeloid and lymphoid developmental pathways. Hoxb3 also has overlapping function in mediating the migration of pharyngeal organ primordia and is expressed in very restricted domains in the future hindbrain. Hoxb6 controls the generation, proliferation and survival of erythroid progenitor cells. The Hoxb6 protein is expressed in the suprabasal layer of the early developing epidermis and throughout the upper layers of late fetal and adult human skin. Hoxb6 is cytoplasmically expressed throughout fetal epidermal development, but displays nuclear expression in normal adult skin. Hoxb6 protein also has nuclear expression in hyperproliferative skin conditions, but appears to be localized in the cytoplasm in basal and squamous cell carcinomas. Hoxb6 genes are also expressed in normal adult lung.

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Gene ID: 3213

## Application Details

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Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months