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# anti-DTNBP1 antibody (C-Term)





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| Overview             |  |
|----------------------|--|
| Quantity:            | 400 μL   |
| Target:              | DTNBP1   |
| Binding Specificity: | AA 296-325, C-Term   |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This DTNBP1 antibody is un-conjugated  |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))               |
| Product Details      |  |
| Immunogen:           | This Dtnbp1 antibody is generated from rabbits immunized with a KLH conjugated synthetic         |
|                      | peptide between 296-325 amino acids from the C-terminal region of human Dtnbp1.                  |
| Clone:               | RB9241   |
| Isotype:             | Ig Fraction  |
| Purification:        | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Target Details       |  |
| Target:              | DTNBP1   |
| Alternative Name:    | Dtnbp1 (DTNBP1 Products)   |
| Background:          | Dtnp1 may play a role in organelle biogenesis associated with melanosomes, platelet dense        |

#### **Target Details**

granules, and lysosomes. A similar protein in mouse is a component of a protein complex termed biogenesis of lysosome-related organelles complex 1 (BLOC-1), and binds to alpha- and beta-dystrobrevins, which are components of the dystrophin-associated protein complex (DPC). Mutations in this protein are associated with Hermansky-Pudlak syndrome type 7. This protein may also be associated with schizophrenia.

Molecular Weight: 39651

Gene ID: 94245

NCBI Accession: NP\_080048

UniProt: Q91WZ8

Pathways: Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling

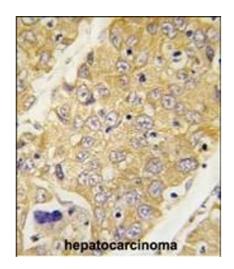
### **Application Details**

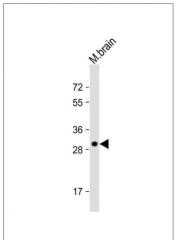
Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

## Handling

| Format:            | Liquid   |
|--------------------|--|
| Buffer:            | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.   |
| 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:           | 4 °C,-20 °C  |
| Storage Comment:   | Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date:       | 6 months   |





#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with Dtnbp1 Antibody (Cterm) (ABIN389170 and ABIN2839336), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** Anti-Dysbindin(Dtnbp1) (C-term) at 1:1000 dilution + mouse brain lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.