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# DTNBP1 Ab

Images(2)

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|---|---|---|
| Cat.#: DF6517 | Concn.: ~1mg/ml | Mol.Wt.: 39kDa |
| Size: | Source: Rabbit | Clonality: Polyclonal |

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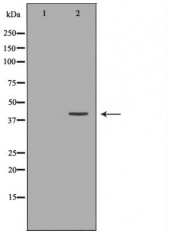
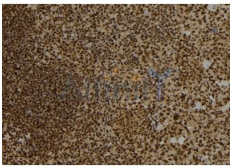
| Application: | WB 1:500-1:2000, IHC 1:50-1:200<br>*The optimal dilutions should be determined by the end user. |
| Reactivity: | Human,Mouse,Rat |
| Storage: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Immunogen: | A synthesized peptide derived from human DTNBP1, corresponding to a region within C-terminal amino acids. |
| Uniprot: | Q96EV8 |
| Description: | Dysbindin, or dystrobrevin-binding protein 1, is a coiled-coil-containing protein expressed in muscle and brain that was identified as a binding partner of dystrobrevin . Dysbindin upregulates expression of the pre-synaptic proteins SNAP25 and synapsin I, thereby increasing glutamate release and promoting neuronal viability through Akt signaling. In particular, Akt phosphorylation is suppressed with downregulation of dysbindin and increased with upregulation of dysbindin . A nonsense mutation of dysbindin causes Hermansky-Pudlak disease, an autosomal recessive disorder characterized by lysosomal storage defects and prolonged bleeding. . |




Western blot analysis of Mouse brain lysates, using DTNBP1 Ab. The lane on the left was treated with the antigen-specific peptide.



DF6517 at 1/100 staining Mouse spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.