

AP12328PU-N**Polyclonal Antibody to Dysbindin (N-term) - Purified**

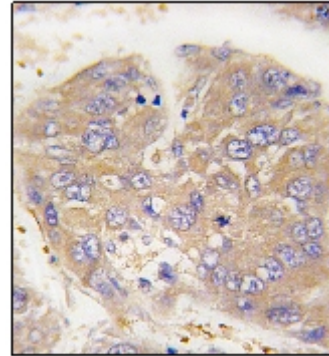
Alternate names:	DTNBP1, Dystrobrevin-binding protein 1, Hermansky-Pudlak syndrome 7 protein homolog, Hps7-like protein, My031
Quantity:	0.4 ml
Concentration:	lot specific
Background:	Dtnbp1 may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. A 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 are associated with Hermansky-Pudlak syndrome type 7. This protein may also be associated with schizophrenia.
Uniprot ID:	Q91WZ8
NCBI:	10090
GeneID:	94245
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of mouse Dtnbp1.
Format:	State: Liquid purified Ig fraction. Purification: Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS. Buffer System: PBS with 0.09% (W/V) Sodium Azide as preservative.
Applications:	ELISA: 1/1,000. Western blot: 1/50-1/100. Immunohistochemistry: 1/10-1/50. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects DTNBP1 (N-term). Species: Human and Mouse. Other species not tested.
Add. Information:	Molecular weight: 39651 Da
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. Benson M.A., J. Biol. Chem. 276:24232-24241(2001).
2. Li W., Nat. Genet. 35:84-89(2003).
3. Talbot K., Hum. Mol. Genet. 15:3041-3054(2006).

Pictures:

Formalin-fixed and paraffin-embedded human hepatocarcinoma tissue reacted with Dtnbp1 Antibody (N-term) (Cat.#AP12328PU-N), 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 blot analysis of Dtnbp1 (arrow) using rabbit polyclonal Dysbindin/Dtnbp1 Antibody (N-term) (Cat.#AP12328PU-N). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the Dtnbp1 gene (Lane 2) (Origene Technologies).

