

Rabbit DTNBP1 Polyclonal Antibody | anti-DTNBP1 antibody

DTNBP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306583	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

DTNBP1; Polyclonal Antibody; DTNBP1 Antibody; DBND; DKFZp564K192; FLJ30031; HPS7; MGC20210; anti-DTNBP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total DTNBP1 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	270
Applicable Applications for anti-DTNBP1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human DTNBP1.
Target Name	DTNBP1
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cell using DTNBP1 antibody. Blue: DAPI for nuclear staining.



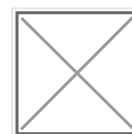
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat lung using DTNBP1 antibody at dilution of 1:100 (200x lens).



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human esophageal cancer using DTNBP1 antibody at dilution of 1:100 (200x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using DTNBP1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DTNBP1 antibody	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 (1). 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 (2). A nonsense mutation of dysbindin causes Hermansky-Pudlak disease, an autosomal recessive disorder characterized by lysosomal storage defects and prolonged bleeding. (2). Genetic variation in the gene encoding dysbindin is strongly associated with schizophrenia and protein levels are reduced in the prefrontal cortex, midbrain and hippocampus of brains from patients with schizophrenia (3,4).
Product Categories/Family for anti-DTNBP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	410651504
NCBI GeneID	84062
NCBI Accession #	NP_001258596.1
NCBI GenBank Nucleotide #	NM_001271667.1
UniProt Accession #	Q96EV8; Q5THY3; Q5THY4; Q96NV2; Q9H0U2; Q9H3J5; A8K3V3
Molecular Weight	30,387 Da
NCBI Official Full Name	dysbindin isoform C
NCBI Official Synonym Full Names	dystrobrevin binding protein 1
NCBI Official Symbol	DTNBP1
NCBI Official Synonym Symbols	SDY; DBND; HPS7; My031; BLOC1S8
NCBI Protein Information	dysbindin
UniProt Protein Name	Dysbindin
UniProt Gene Name	DTNBP1
UniProt Synonym Gene Names	BLOC1S8; BLOC-1 subunit 8; HPS7 protein
UniProt Entry Name	DTBP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dtnbp1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/306583>