

Product datasheet for **TA327114**

Dysbindin (DTNBP1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 1:500 - 1:2000
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant protein of human DTNBP1
Formulation:	Store at -20C or -80C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	dystrobrevin binding protein 1
Database Link:	NP_115498 Entrez Gene 94245 Mouse Entrez Gene 84062 Human Q96EV8



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Background:

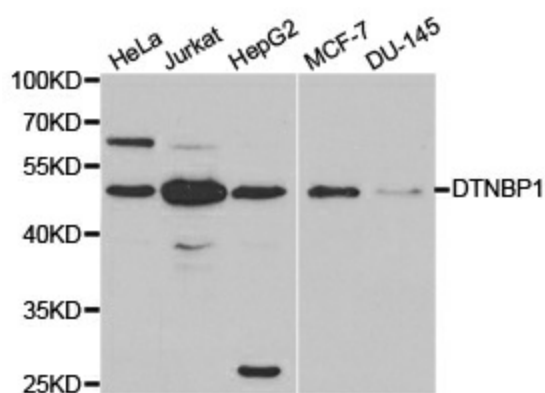
Dysbindin, or dystrobrevin-binding protein 1, is a coiled-coil-containing protein expressed in muscle and brain that was identified as a binding partner of dystrobrevin. Dysbindin upregulates expression of the pre-synaptic proteins SNAP25 and synapsin I, thereby increasing glutamate release and promoting 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. 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.

Synonyms:

BLOC1S8; DBND; HPS7; My031; SDY

Protein Families:

Druggable Genome

Product images:

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