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Datasheet for ABIN7150913  
**anti-DTNBP1 antibody (AA 258-351) (HRP)**

## Overview

Quantity:	100 µg
Target:	DTNBP1
Binding Specificity:	AA 258-351
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DTNBP1 antibody is conjugated to HRP
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Dysbindin protein (258-351AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	DTNBP1
Alternative Name:	DTNBP1 ( <a href="#">DTNBP1 Products</a> )
Background:	Background: Component of the BLOC-1 complex, a complex that is required for normal biogenesis of lysosome-related organelles (LRO), such as platelet dense granules and

## Target Details

melanosomes. In concert with the AP-3 complex, the BLOC-1 complex is required to target membrane protein cargos into vesicles assembled at cell bodies for delivery into neurites and nerve terminals. The BLOC-1 complex, in association with SNARE proteins, is also proposed to be involved in neurite extension. Associates with the BLOC-2 complex to facilitate the transport of TYRP1 independent of AP-3 function. Plays a role in synaptic vesicle trafficking and in neurotransmitter release. Plays a role in the regulation of cell surface exposure of DRD2. May play a role in actin cytoskeleton reorganization and neurite outgrowth. May modulate MAPK8 phosphorylation. Appears to promote neuronal transmission and viability through regulating the expression of SNAP25 and SYN1, modulating PI3-kinase-Akt signaling and influencing glutamatergic release. Regulates the expression of SYN1 through binding to its promoter. Modulates prefrontal cortical activity via the dopamine/D2 pathway.

Aliases: DTBP1\_HUMAN antibody, DTNBP1 antibody, Dysbindin antibody, Dysbindin-1 antibody, Dystrobrebin binding protein 1 antibody, Dystrobrebin-binding protein 1 antibody, Hermansky Pudlak syndrome 7 protein antibody, Hermansky-Pudlak syndrome 7 protein antibody, HPS7 antibody, HPS7 protein antibody

UniProt:	<a href="#">Q96EV8</a>
Pathways:	<a href="#">Synaptic Membrane</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.