abcam

Product datasheet

Anti-DCTN1/p150-glued antibody ab96004

9 图像

概述

产品名称	Anti-DCTN1/p150-glued抗体
描述	兔多克隆抗体to DCTN1/p150-glued
宿主	Rabbit
经测试应用	**适用于：** WB, IHC-P, ICC/IF
种属反应性	**与反应：** Mouse, Rat, Human
免疫原	Synthetic peptide corresponding to Human DCTN1/p150-glued aa 1216-1248. Database link: **NP_004073**
阳性对照	Jurkat whole cell lysate (**ab7899**) for WB. HeLa cells for IF. OV CA for IHC-P.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol (glycerin, glycerine)
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

| 应用	Ab评论	说明
WB		1/500 - 1/3000. Predicted molecular weight: 142 kDa.
IHC-P		1/100 - 1/500.
ICC/IF		1/100 - 1/200.

靶标

功能	Required for the cytoplasmic dynein-driven retrograde movement of vesicles and organelles along microtubules. Dynein-dynactin interaction is a key component of the mechanism of axonal transport of vesicles and organelles.
组织特异性	Brain.
疾病相关	Defects in DCTN1 are the cause of distal hereditary motor neuronopathy type 7B (HMN7B) [MIM:607641]; also known as progressive lower motor neuron disease (PLMND). HMN7B is a neuromuscular disorder. Distal hereditary motor neuronopathies constitute a heterogeneous group of neuromuscular disorders caused by selective degeneration of motor neurons in the anterior horn of the spinal cord, without sensory deficit in the posterior horn. The overall clinical picture consists of a classical distal muscular atrophy syndrome in the legs without clinical sensory loss. The disease starts with weakness and wasting of distal muscles of the anterior tibial and peroneal compartments of the legs. Later on, weakness and atrophy may expand to the proximal muscles of the lower limbs and/or to the distal upper limbs. Defects in DCTN1 are a cause of susceptibility to amyotrophic lateral sclerosis (ALS) [MIM:105400]. ALS is a neurodegenerative disorder affecting upper and lower motor neurons, and resulting in fatal paralysis. Sensory abnormalities are absent. Death usually occurs within 2 to 5 years. The etiology is likely to be multifactorial, involving both genetic and environmental factors. Defects in DCTN1 are the cause of Perry syndrome (PERRYS) [MIM:168605]; also called parkinsonism with alveolar hypoventilation and mental depression. Perry syndrome is a neuropsychiatric disorder characterized by mental depression not responsive to antidepressant drugs or electroconvulsive therapy, sleep disturbances, exhaustion and marked weight loss. Parkinsonism develops later and respiratory failure occurred terminally.
序列相似性	Belongs to the dynactin 150 kDa subunit family. Contains 1 CAP-Gly domain.
翻译后修饰	Ubiquitinated by a SCF complex containing FBXL5, leading to its degradation by the proteasome.
细胞定位	Cytoplasm. Cytoplasm > cytoskeleton.

图片

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCTN1/p150-glued antibody (ab96004)

Immunohistochemical analysis of paraffin-embedded Rat brain, using ab96004 at 1/500 dilution. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min
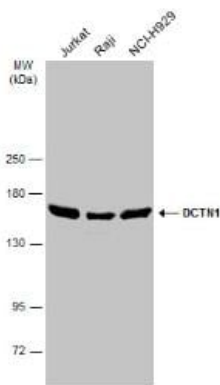
Western blot - Anti-DCTN1/p150-glued antibody (ab96004)

All lanes : Anti-DCTN1/p150-glued antibody (ab96004) at 1/2500 dilution

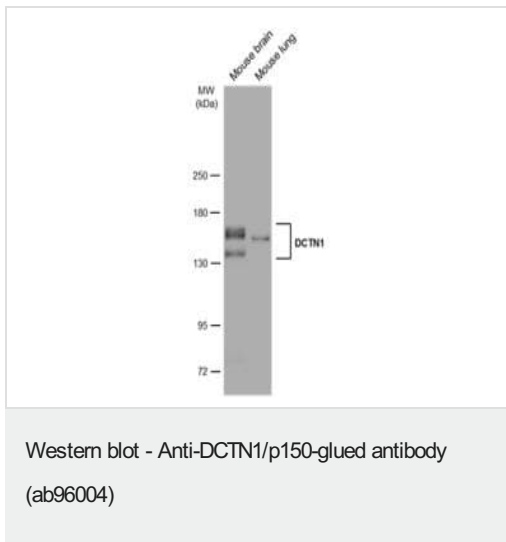**Lane 1 :** Jurkat cell lysate

Lane 2 : Raji cell lysate

Lane 3 : NCI-H929 cell lysate

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 142 kDa

Western blot - Anti-DCTN1/p150-glued antibody (ab96004)

All lanes : Anti-DCTN1/p150-glued antibody (ab96004) at 1/1000 dilution
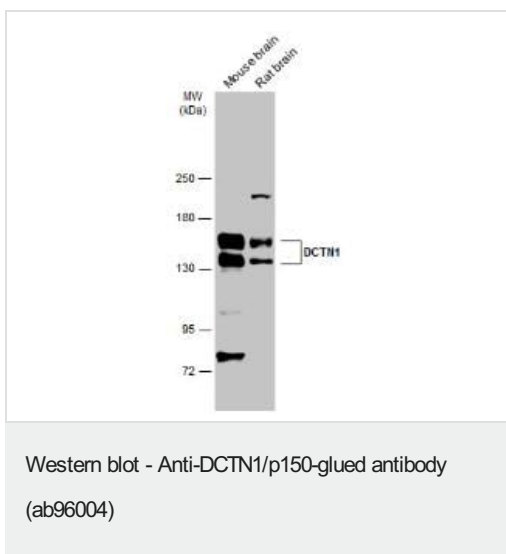
Lane 1 : Mouse brain
Lane 2 : Mouse lung

Lysates/proteins at 50 µg per lane.

Secondary
All lanes : HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 142 kDa

Western blot - Anti-DCTN1/p150-glued antibody (ab96004)

All lanes : Anti-DCTN1/p150-glued antibody (ab96004) at 1/2000 dilution
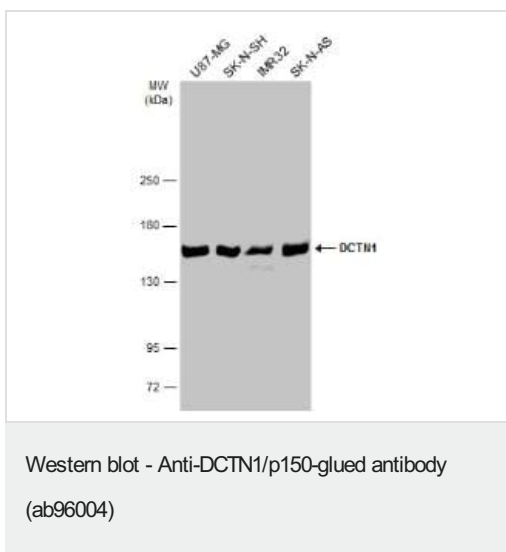
Lane 1 : Mouse brain
Lane 2 : Rat brain

Lysates/proteins at 50 µg per lane.

Secondary
All lanes : HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 142 kDa

Western blot - Anti-DCTN1/p150-glued antibody (ab96004)

All lanes : Anti-DCTN1/p150-glued antibody (ab96004) at 1/2500 dilution

Lane 1 : U87-MG cell lysates
Lane 2 : SK-N-SH cell lysates
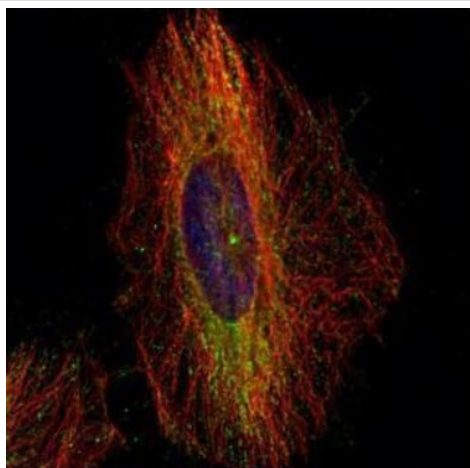**Lane 3 :** IMR32 cell lysates
Lane 4 : SK-N-AS cell lysates

Lysates/proteins at 30 µg per lane.

Secondary
All lanes : HRP-conjugated anti-rabbit IgG antibody

Predicted band size: 142 kDa

Immunofluorescence analysis of methanol-fixed HeLa, using ab96004 antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled (Red) at 1:2000.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCTN1/p150-glued antibody (ab96004)
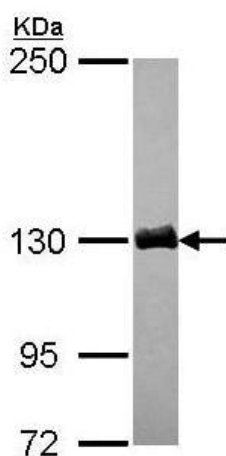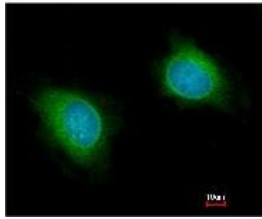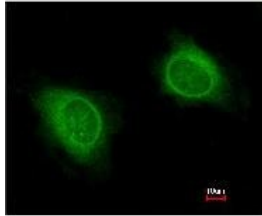

Anti-DCTN1/p150-glued antibody (ab96004) at 1/3000 dilution + Jurkat whole cell lysate at 30 µg

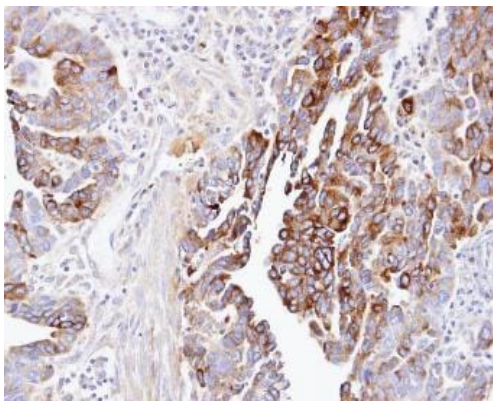**Predicted band size:** 142 kDa

5% SDS PAGE

Western blot - Anti-DCTN1/p150-glued antibody (ab96004)

Immunofluorescence analysis of methanol-fixed HeLa cells, using ab96004 at 1/200 dilution. Lower image costained with Hoerchst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-DCTN1/p150-glued antibody (ab96004)

Immunohistochemical analysis of paraffin-embedded ovarian cancer, using ab96004 at 1/100 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DCTN1/p150-glued antibody (ab96004)

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