


### Anti-Dynamin 2 antibody [EPR9053(2)(ABC)] ab151555

リコンビナント **RabMAb**

★★★★★ **1 Abreviews** **4 References** 画像数 5

#### 製品の概要

製品名	Anti-Dynamin 2 antibody [EPR9053(2)(ABC)]
製品の詳細	Rabbit monoclonal [EPR9053(2)(ABC)] to Dynamin 2
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P, ICC/IF <b>適用なし:</b> IP
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Mouse, Rat 
免疫原	Synthetic peptide within Human Dynamin 2 aa 750-850. The exact sequence is proprietary.
ポジティブ・コントロール	HeLa, K562, Jurkat and fetal brain lysates; Human kidney and skeletal muscle tissues.K-562 cells.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EPR9053(2)(ABC)  
アイソタイプ IgG

#### アプリケーション

**The Abpromise guarantee** Abpromise保証は、 次のテスト済みアプリケーションにおけるab151555の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
WB		1/1000. Predicted molecular weight: 98 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF	★★★★★ (1)	1/50.

追加情報 Is unsuitable for IP.

#### ターゲット情報

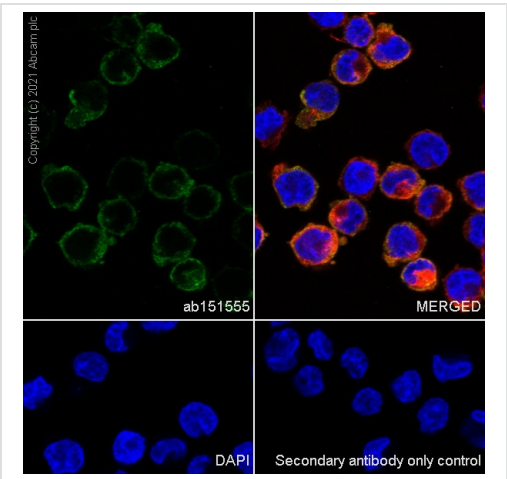
**機能** Microtubule-associated force-producing protein involved in producing microtubule bundles and able to bind and hydrolyze GTP. Most probably involved in vesicular trafficking processes, in particular endocytosis.

**組織特異性** Ubiquitously expressed.

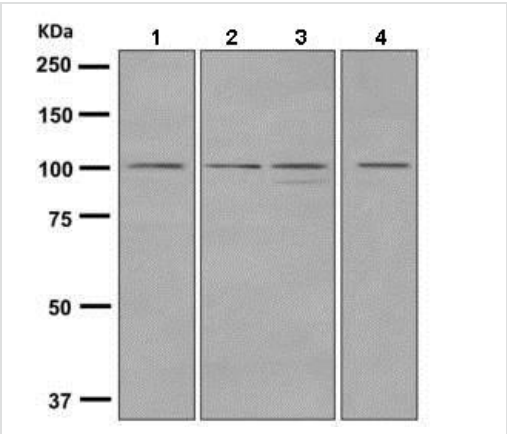
**関連疾患** Defects in DNM2 are a cause of centronuclear myopathy autosomal dominant (ADCNM) [MIM:160150]; also known as autosomal dominant myotubular myopathy. Centronuclear myopathies (CNMs) are congenital muscle disorders characterized by progressive muscular weakness and wasting involving mainly limb girdle, trunk, and neck muscles. It may also affect distal muscles. Weakness may be present during childhood or adolescence or may not become evident until the third decade of life. Ptosis is a frequent clinical feature. CNMs comprise a wide spectrum of phenotypes, ranging from severe neonatal to mild late-onset familial forms. The most prominent histopathologic features include high frequency of centrally located nuclei in muscle fibers not secondary to regeneration, radial arrangement of sarcoplasmic strands around the central nuclei, and predominance and hypotrophy of type 1 fibers.  
Defects in DNM2 are the cause of Charcot-Marie-Tooth disease dominant intermediate type B (CMTDIB) [MIM:606482]. Charcot-Marie-Tooth disease (CMT) is a clinically and genetically heterogeneous disorder of the peripheral nervous system, characterized by progressive weakness and atrophy, initially of the peroneal muscles and later of the distal muscles of the arms. CMTDIB is a form of Charcot-Marie-Tooth disease characterized by clinical and pathologic features intermediate between demyelinating and axonal peripheral neuropathies, and motor median nerve conduction velocities ranging from 25 to 45 m/sec.

**配列類似性** Belongs to the dynamin family.  
Contains 1 GED domain.  
Contains 1 PH domain.

**細胞内局在** Cytoplasm. Cytoplasm > cytoskeleton. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cell junction > synapse. Microtubule-associated. Also found in the postsynaptic density of neuronal cells.



Immunocytochemistry/ Immunofluorescence - Anti-Dynamin 2 antibody [EPR9053(2)(ABC)] (ab151555)



Western blot - Anti-Dynamin 2 antibody [EPR9053(2)(ABC)] (ab151555)

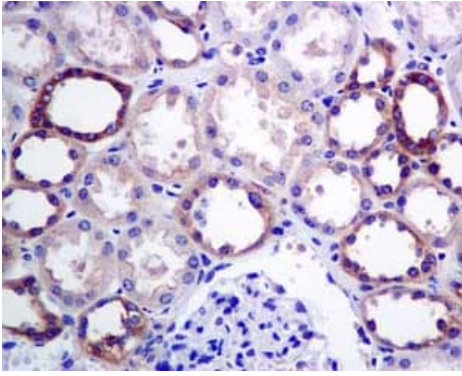
Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized K-562 cells labelling Dynamin 2 with ab151555 at 1/50 (19.56 ug/ml) dilution, followed by [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 2 ug/ml dilution (Green). Confocal image showing cytoplasmic staining in K-562 cell line [ab195889](#) Anti-alpha Tubulin mouse monoclonal antibody - Microtubule Marker (Alexa Fluor® 594) was used to counterstain tubulin at 1/200 2.5 dilution (Red). The Nuclear counterstain was DAPI (Blue). Secondary antibody only control: Secondary antibody is [ab150077](#) Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1000 2 ug/ml dilution.

**All lanes :** Anti-Dynamin 2 antibody [EPR9053(2)(ABC)] (ab151555) at 1/1000 dilution

- Lane 1 :** HeLa cell lysate
- Lane 2 :** K562 cell lysate
- Lane 3 :** Jurkat cell lysate
- Lane 4 :** Fetal brain tissue lysate

Lysates/proteins at 10 µg per lane.

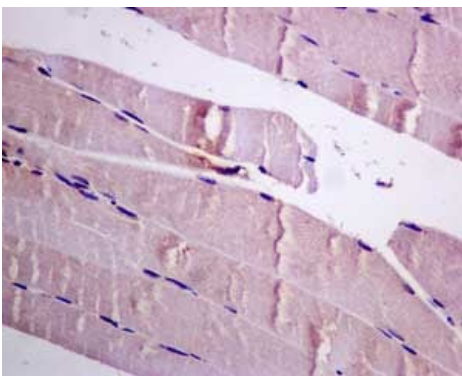
**Predicted band size:** 98 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dynamin 2 antibody [EPR9053(2)(ABC)] (ab151555)

Immunohistochemical analysis of paraffin-embedded Human kidney tissue labelling Dynamin 2 with ab151555 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Dynamin 2 antibody [EPR9053(2)(ABC)] (ab151555)

Immunohistochemical analysis of paraffin-embedded Human skeletal muscle tissue labelling Dynamin 2 with ab151555 at 1/50 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

Anti-Dynamin 2 antibody [EPR9053(2)(ABC)]  
(ab151555)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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