

Anti-ITGA7 antibody ab75224

★★★★☆ [3 Abreviews](#) [5 References](#) [画像数 1](#)

製品の概要

製品名	Anti-ITGA7 antibody
製品の詳細	Rabbit polyclonal to ITGA7
由来種	Rabbit
特異性	ab75224 detects endogenous levels of a fragment of activated ITGA7 resulting from cleavage adjacent to Glu959.
アプリケーション	適用あり: ELISA, WB, IHC-Fr, IHC-P
種交差性	交差種: Human, African green monkey
免疫原	Synthetic peptide derived from human ITGA7
特記事項	<p>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.</p> <p>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</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, PBS
精製度	Without Mg ²⁺ and Ca ²⁺ Immunogen affinity purified
特記事項(精製)	ab75224 affinity purified from rabbit antiserum by affinity chromatography using an epitope specific immunogen.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

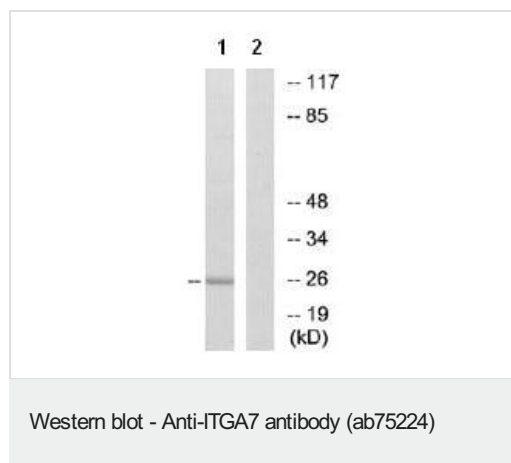
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab75224の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ELISA		Use at an assay dependent concentration.
WB	★★★★☆ (1)	1/500 - 1/1000. Predicted molecular weight: 129 kDa. for the full length protein.
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration. See Abreview.
IHC-P		Use at an assay dependent concentration.

ターゲット情報

機能	<p>Integrin alpha-7/beta-1 is the primary laminin receptor on skeletal myoblasts and adult myofibers. During myogenic differentiation, it may induce changes in the shape and mobility of myoblasts, and facilitate their localization at laminin-rich sites of secondary fiber formation. It is involved in the maintenance of the myofibers cytoarchitecture as well as for their anchorage, viability and functional integrity. Isoform Alpha-7X2B and isoform Alpha-7X1B promote myoblast migration on laminin 1 and laminin 2/4, but isoform Alpha-7X1B is less active on laminin 1 (In vitro). Acts as Schwann cell receptor for laminin-2. Acts as a receptor of COMP and mediates its effect on vascular smooth muscle cells (VSMCs) maturation (By similarity). Required to promote contractile phenotype acquisition in differentiated airway smooth muscle (ASM) cells.</p>
組織特異性	<p>Isoforms containing segment A are predominantly expressed in skeletal muscle. Isoforms containing segment B are abundantly expressed in skeletal muscle, moderately in cardiac muscle, small intestine, colon, ovary and prostate and weakly in lung and testes. Isoforms containing segment X2D are expressed at low levels in fetal and adult skeletal muscle and in cardiac muscle, but are not detected in myoblasts and myotubes. In muscle fibers isoforms containing segment A and B are expressed at myotendinous and neuromuscular junctions; isoforms containing segment C are expressed at neuromuscular junctions and at extrasynaptic sites. Isoforms containing segments X1 or X2 or, at low levels, X1X2 are expressed in fetal and adult skeletal muscle (myoblasts and myotubes) and cardiac muscle.</p>
関連疾患	<p>Defects in ITGA7 are the cause of muscular dystrophy congenital due to integrin alpha-7 deficiency (MDCI) [MIM:613204]. A form of congenital muscular dystrophy. Patients present at birth, or within the first few months of life, with hypotonia, muscle weakness and often with joint contractures.</p>
配列類似性	<p>Belongs to the integrin alpha chain family. Contains 7 FG-GAP repeats.</p>
発生段階	<p>In renewing intestinal epithelium, expression of isoforms containing segment B correlates with the onset of enterocytic differentiation.</p>
翻訳後修飾	<p>ADP-ribosylated on at least two sites of the extracellular domain in skeletal myotubes. A 70 kDa form is created by proteolytic cleavage. Cleavage is elevated during myogenic differentiation and the cleaved form enhances cell adhesion and spreading on laminin.</p>
細胞内局在	<p>Membrane.</p>

画像



All lanes : Anti-ITGA7 antibody (ab75224) at 1/500 dilution

Lane 1 : COS-7 cells,
treated with etoposide (25 μ M, 1 hour)

Lane 2 : COS-7 cells,
treated with etoposide (25 μ M, 1 hour) with CI-peptide at 5 μ g

Lysates/proteins at 5 μ g per lane.

Predicted band size: 129 kDa

Additional bands at: 26 kDa (possible cleavage fragment)

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