

Anti-Hsp27 antibody [8A7] ab79868

8 References [画像数 6](#)

製品の概要

製品名	Anti-Hsp27 antibody [8A7]
製品の詳細	Mouse monoclonal [8A7] to Hsp27
由来種	Mouse
特異性	ab79868 recognizes Hsp25 and Hsp27, and cross reacts with alpha B crystallin.
アプリケーション	適用あり: Flow Cyt, IHC-P, ICC/IF, WB
種交差性	交差種: Mouse, Rat, Human
免疫原	Human Hsp27 peptide
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. Store at -20°C. Stable for 12 months at -20°C.
バッファー	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	8A7
アイソタイプ	IgG1

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ab79868の使用に適用されます

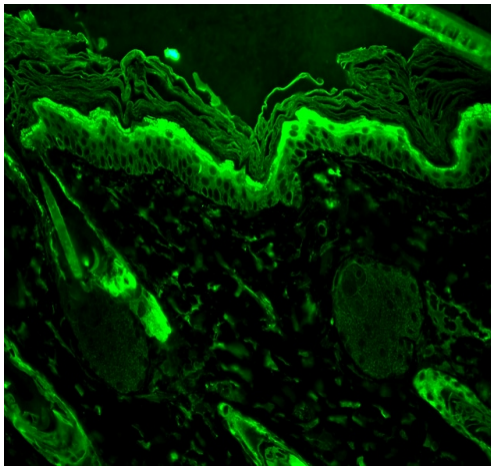
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		1/100.
ICC/IF		1/200.
WB		1/5000. Predicted molecular weight: 23 kDa.

ターゲット情報

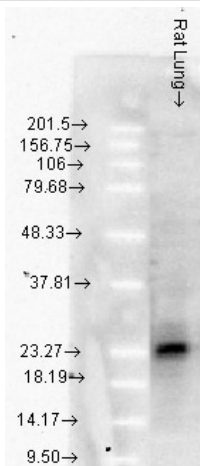
機能	Involved in stress resistance and actin organization.
組織特異性	Detected in all tissues tested: skeletal muscle, heart, aorta, large intestine, small intestine, stomach, esophagus, bladder, adrenal gland, thyroid, pancreas, testis, adipose tissue, kidney, liver, spleen, cerebral cortex, blood serum and cerebrospinal fluid. Highest levels are found in the heart and in tissues composed of striated and smooth muscle.
関連疾患	<p>Defects in HSPB1 are the cause of Charcot-Marie-Tooth disease type 2F (CMT2F) [MIM:606595]. CMT2F is a form of Charcot-Marie-Tooth disease, the most common inherited disorder of the peripheral nervous system. Charcot-Marie-Tooth disease is classified in two main groups on the basis of electrophysiologic properties and histopathology: primary peripheral demyelinating neuropathy or CMT1, and primary peripheral axonal neuropathy or CMT2. Neuropathies of the CMT2 group are characterized by signs of axonal regeneration in the absence of obvious myelin alterations, normal or slightly reduced nerve conduction velocities, and progressive distal muscle weakness and atrophy. Nerve conduction velocities are normal or slightly reduced. CMT2F onset is between 15 and 25 years with muscle weakness and atrophy usually beginning in feet and legs (peroneal distribution). Upper limb involvement occurs later. CMT2F inheritance is autosomal dominant.</p> <p>Defects in HSPB1 are a cause of distal hereditary motor neuronopathy type 2B (HMN2B) [MIM:608634]. Distal hereditary motor neuronopathies constitute a heterogeneous group of neuromuscular disorders caused by selective impairment 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.</p>
配列類似性	Belongs to the small heat shock protein (HSP20) family.
翻訳後修飾	Phosphorylated in MCF-7 cells on exposure to protein kinase C activators and heat shock.
細胞内局在	Cytoplasm. Nucleus. Cytoplasm > cytoskeleton > spindle. Cytoplasmic in interphase cells. Colocalizes with mitotic spindles in mitotic cells. Translocates to the nucleus during heat shock and resides in sub-nuclear structures known as SC35 speckles or nuclear splicing speckles.

画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp27 antibody [8A7] (ab79868)

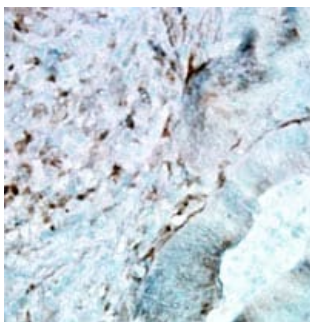
Immunohistochemistry analysis of Mouse backskin tissue using Mouse Anti-Hsp27 Monoclonal Antibody, at 1:100 dilution for 1 hour at RT. FITC Goat Anti-Mouse (green) was used as a Secondary Antibody at 1:50 dilution for 1 hour. Localization: Epidermis.



Western blot - Anti-Hsp27 antibody [8A7] (ab79868)

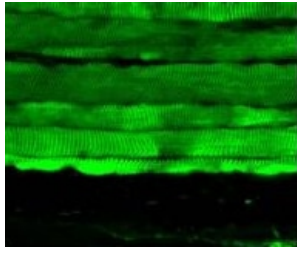
Anti-Hsp27 antibody [8A7] (ab79868) at 1/1000 dilution + Rat lung tissue lysate

Predicted band size: 23 kDa



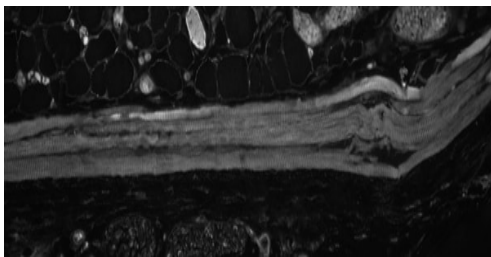
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp27 antibody [8A7] (ab79868)

ab79868 at 1/100,000 dilution staining Hsp27 in human colon cancer tissue section by Immunohistochemistry (Bouin's fixed paraffin-embedded tissue sections). Tissue underwent heat mediated antigen retrieval in microwave with two 5 minutes incubation intervals in citrate buffer. An antibody amplifier™ system was used for staining.



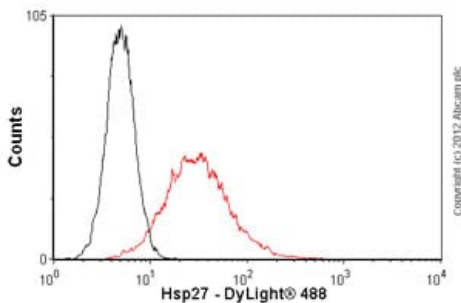
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp27 antibody [8A7] (ab79868)

ab79868 (1/100) staining Hsp27 in Mouse epidermis tissue sections by IF (immunofluorescence). Secondary Antibody: FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



Immunocytochemistry/ Immunofluorescence - Anti-Hsp27 antibody [8A7] (ab79868)

ab79868 staining Hsp27 in Mouse backskin tissue sections by ICC/IF (Immunocytochemistry/immunofluorescence).



Flow Cytometry - Anti-Hsp27 antibody [8A7] (ab79868)

Overlay histogram showing HeLa cells stained with ab79868 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab79868, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

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