




Product datasheet

# Anti-MURF1 antibody [7B8E1] ab201941

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Overview

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<b>Product name</b>	Anti-MURF1 antibody [7B8E1]
<b>Description</b>	Mouse monoclonal [7B8E1] to MURF1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide corresponding to Human MURF1 aa 250-350. Database link: <a href="#">Q969Q1</a>  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
<b>Positive control</b>	HeLa cells; Human rectum cancer and muscle tissues.
<b>General notes</b>	<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&amp;As</p>

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	7B8E1
<b>Isotype</b>	IgG1

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab201941 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/200 - 1/1000.
Flow Cyt		1/200 - 1/400. <b>ab170190</b> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		1/200 - 1/1000.

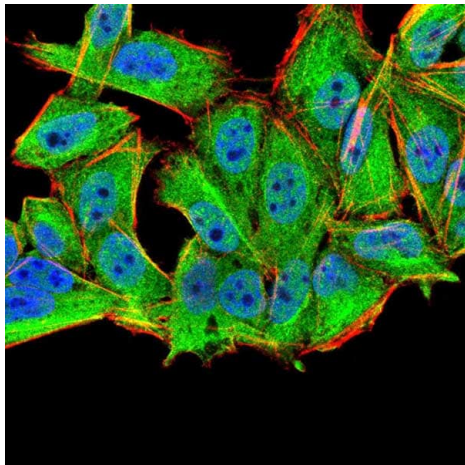
## Target

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<b>Function</b>	E3 ubiquitin ligase. Regulates proteasomal degradation of cardiac troponin I/TNNI3 and probably of other sarcomeric-associated proteins. May play a role in striated muscle atrophy and hypertrophy by regulating an anti-hypertrophic PKC-mediated signaling pathway. May regulate the organization of myofibrils through TTN in muscle cells.
<b>Tissue specificity</b>	Muscle specific. Selectively expressed in heart and skeletal muscle. Also expressed in the iris.
<b>Pathway</b>	Protein modification; protein ubiquitination.
<b>Sequence similarities</b>	Contains 1 B box-type zinc finger. Contains 1 COS domain. Contains 1 RING-type zinc finger.
<b>Developmental stage</b>	Expressed throughout all developmental stages.
<b>Domain</b>	The RING-type zinc finger mediates interaction with SUMO2 and localization to the nucleus. Also required for the E3 ubiquitin ligase activity.
<b>Cellular localization</b>	Cytoplasm. Nucleus. Localizes to the M- and Z-lines in skeletal muscle. Colocalizes with TNNI3 in myocytes.

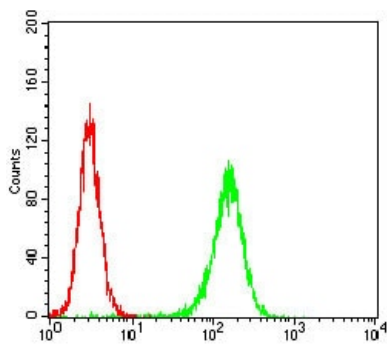
## Images

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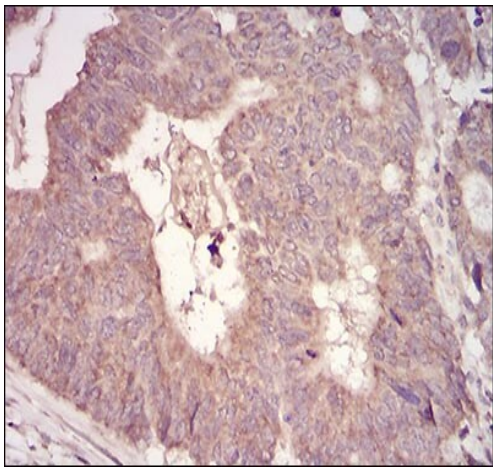
Immunofluorescent analysis of HeLa cells labeling MURF1 with ab201941 at 1/200 dilution. Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

Immunocytochemistry/ Immunofluorescence - Anti-MURF1 antibody [7B8E1] (ab201941)



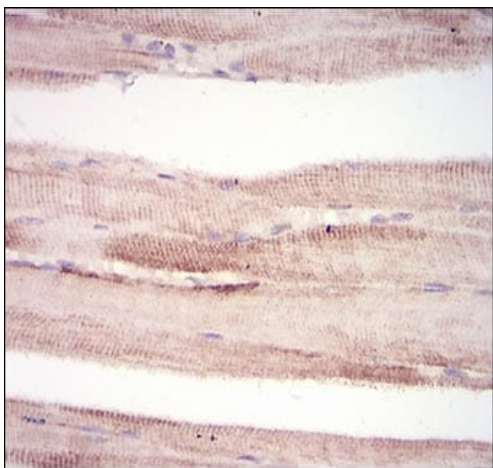
Flow cytometric analysis of HeLa cells labeling MURF1 with ab201941 at 1/200 dilution (green) compared to a negative control (red).

Flow Cytometry - Anti-MURF1 antibody [7B8E1] (ab201941)



Immunohistochemical analysis of paraffin-embedded Human rectum cancer tissue labeling MURF1 with ab201941 at 1/200 dilution, with DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MURF1 antibody [7B8E1] (ab201941)



Immunohistochemical analysis of paraffin-embedded Human muscle tissue labeling MURF1 with ab201941 at 1/200 dilution, with DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MURF1 antibody [7B8E1] (ab201941)

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