

# Anti-MLN51/CASC3 antibody ab90651

**3 References**   **画像数 3**

### 製品の概要

製品名	Anti-MLN51/CASC3 antibody
製品の詳細	Rabbit polyclonal to MLN51/CASC3
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IP, IHC-P, WB
種交差性	<b>交差種:</b> Human <b>交差が予測される動物種:</b> Rabbit, Horse, Cow, Dog, Pig, Chimpanzee, Rhesus monkey, Gorilla, Opossum, Orangutan, Elephant 
免疫原	Synthetic peptide corresponding to Human MLN51/CASC3 aa 650-750. Database link: <a href="#">O15234</a>
ポジティブ・コントロール	HeLa whole cell lysate ( <a href="#">ab150035</a> )
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&amp;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: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
精製度	Immunogen affinity purified
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ab90651の使用に適用されます**

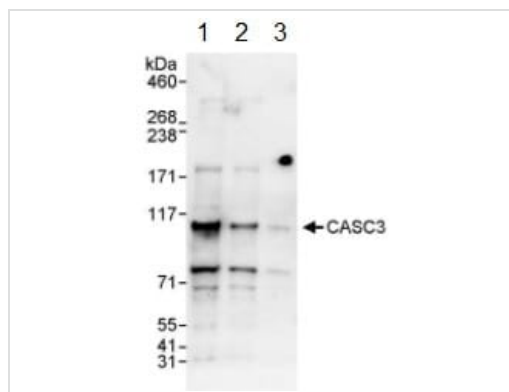
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/2000 - 1/10000. Predicted molecular weight: 76 kDa.

## ターゲット情報

機能	Component of a splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of a few core proteins and several more peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Core components of the EJC, that remains bound to spliced mRNAs throughout all stages of mRNA metabolism, functions to mark the position of the exon-exon junction in the mature mRNA and thereby influences downstream processes of gene expression including mRNA splicing, nuclear mRNA export, subcellular mRNA localization, translation efficiency and nonsense-mediated mRNA decay (NMD). Stimulates the ATPase and RNA-helicase activities of EIF4A3. Plays a role in the stress response by participating in cytoplasmic stress granules assembly and by favouring cell recovery following stress. Component of the dendritic ribonucleoprotein particles (RNPs) in hippocampal neurons (By similarity). May play a role in mRNA transport (By similarity). Binds spliced mRNA in sequence-independent manner, 20-24 nucleotides upstream of mRNA exon-exon junctions. Binds poly(G) and poly(U) RNA homopolymer.
組織特異性	Widely expressed. Overexpressed in breast cancers and metastasis, as well as in gastric cancers.
配列類似性	Belongs to the CASC3 family.
ドメイン	The coiled coil domain may be involved in oligomerization.
翻訳後修飾	ADP-ribosylated by tankyrase TNKS and TNKS2. Poly-ADP-ribosylated protein is recognized by RNF146, followed by ubiquitination. Ubiquitinated by RNF146 when poly-ADP-ribosylated, leading to its degradation.
細胞内局在	Cytoplasm > perinuclear region. Nucleus. Nucleus speckle. Predominantly found in the perinuclear region (By similarity). Shuttles between the nucleus and the cytoplasm in a CRM1-dependent manner. Travels to the cytoplasm as part of the exon junction complex (EJC) bound to mRNA. Shuttles between the cytoplasm and the stress granules. More specifically found in nuclear intrachromatin granules clusters (IGC), also called nuclear speckles, which are storage compartments for nuclear proteins involved in mRNA processing. Colocalizes in nuclear speckles with MAGOH. Under stress condition, colocalizes with FMR1 and TIA1, but not MAGOH and RBM8A EJC core factors, in cytoplasmic stress granules, which contain stored mRNAs whose translation is stopped in response to stress.

## 画像



Western blot - Anti-MLN51/CASC3 antibody  
(ab90651)

**All lanes :** Anti-MLN51/CASC3 antibody (ab90651) at 0.04 µg/ml

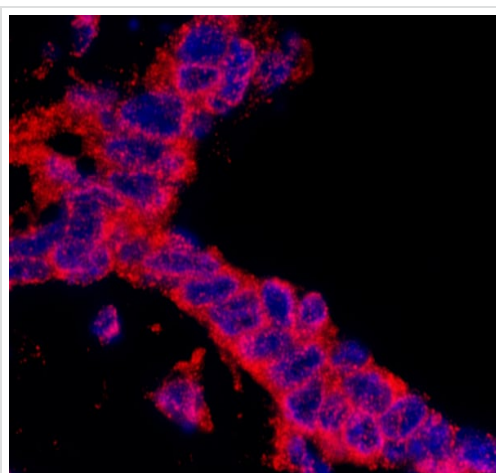
**Lane 1 :** HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate at 50 µg

**Lane 2 :** HeLa whole cell lysate at 15 µg

**Lane 3 :** HeLa whole cell lysate at 5 µg

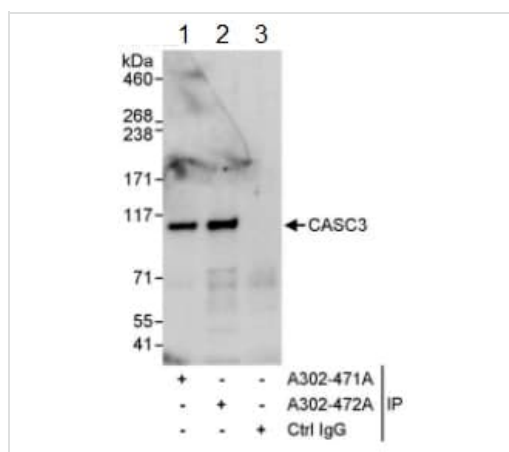
**Predicted band size:** 76 kDa

*Detection:* Chemiluminescence with exposure times of 30 seconds.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MLN51/CASC3 antibody  
(ab90651)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling MLN51/CASC3 with ab90651 at 1/200 (1 µg/ml). Detection: DAB.



Immunoprecipitation - Anti-MLN51/CASC3 antibody  
(ab90651)

Detection of human CASC3 by western blot and

immunoprecipitation. *Samples:* 1 mg for IP, 20% of IP loaded from HeLa cells. *Antibodies:* Affinity purified rabbit anti-CASC3 antibody used for 1 µg/ml and used for IP at 3 µg/mg lysate.

CASC3 was also immunoprecipitated by rabbit anti-CASC3 antibody, which recognizes an upstream epitope.

*Detection:* Chemiluminescence with exposure times of and 3 seconds.

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