

Anti-eNOS antibody [6H2] ab91205

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

製品の概要

製品名	Anti-eNOS antibody [6H2]
製品の詳細	Mouse monoclonal [6H2] to eNOS
由来種	Mouse
アプリケーション	適用あり: IHC-P, Flow Cyt
種交差性	交差種: Human
免疫原	Purified recombinant fragment of Human eNOS expressed in <i>E. coli</i> .
ポジティブ・コントロール	WB: HuVEC Human lymph node, colon cancer, stomach cancer, and ovary cancer.
特記事項	<p>This product was changed from ascites to supernatant. Lot no's high than GR129588-16 are from Tissue Culture Supernatant</p> <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	Preservative: 0.05% Sodium azide Constituent: PBS
精製度	Protein G purified
特記事項(精製)	Purified from tissue culture supernatant.
ポリ/モノ	モノクローナル
クローン名	6H2
アイソタイプ	IgG1

アプリケーション

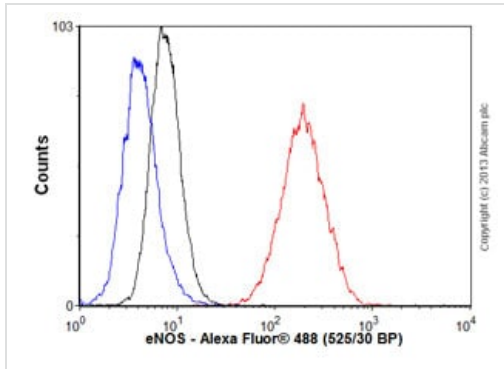
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab91205の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (1)	1/200 - 1/1000.
Flow Cyt		1/50 - 1/100. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ターゲット情報

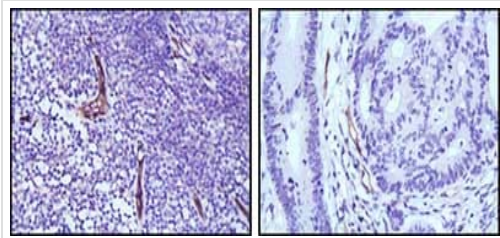
機能	<p>Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.</p> <p>Isoform eNOS13C: Lacks eNOS activity, dominant-negative form that may down-regulate eNOS activity by forming heterodimers with isoform 1.</p>
組織特異性	Platelets, placenta, liver and kidney.
関連疾患	Variation in NOS3 seem to be associated with susceptibility to coronary spasm.
配列類似性	<p>Belongs to the NOS family.</p> <p>Contains 1 FAD-binding FR-type domain.</p> <p>Contains 1 flavodoxin-like domain.</p>
翻訳後修飾	Phosphorylation by AMPK at Ser-1177 in the presence of Ca(2+)-calmodulin (CaM) activates activity. In absence of Ca(2+)-calmodulin, AMPK also phosphorylates Thr-495, resulting in inhibition of activity (By similarity). Phosphorylation of Ser-114 by CDK5 reduces activity.
細胞内局在	Cell membrane. Membrane, caveola. Cytoplasm, cytoskeleton. Golgi apparatus. Specifically associates with actin cytoskeleton in the G2 phase of the cell cycle and which is favored by interaction with NOSIP and results in a reduced enzymatic activity.

画像



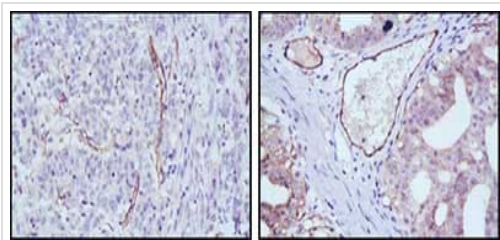
Flow Cytometry - Anti-eNOS antibody [6H2]
(ab91205)

Overlay histogram showing HEK293 cells stained with ab91205 (red line). The cells were fixed with 80% methanol (5 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 (ab91205, 1/100 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) (**ab150113**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] (**ab91353**, 1µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter. This antibody gave a positive signal in HEK293 cells fixed with 4% paraformaldehyde (10 min) permeabilized with 0.1% PBS-Tween for 20 min used under the same conditions.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eNOS antibody [6H2]
(ab91205)

ab91205, at a 1/200 dilution, staining eNOS in paraffin embedded Human lymph node (left) and colon cancer (right) tissues by Immunohistochemistry. Detection was by DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-eNOS antibody [6H2]
(ab91205)

ab91205, at a 1/200 dilution, staining eNOS in paraffin embedded Human stomach cancer (left) and ovary cancer (right) tissues by Immunohistochemistry. Detection was by DAB staining.

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