

Anti-cAMP antibody [EP8471] ab134901

リコンビナント **RabMAb**

★★★★★ [2 Abreviews](#) [2 References](#) [画像数 2](#)

製品の概要

製品名	Anti-cAMP antibody [EP8471]
製品の詳細	Rabbit monoclonal [EP8471] to cAMP
由来種	Rabbit
特異性	This antibody does not cross react with cGMP, GMP, GDP, cIMP, cCMP, or adenosine.
アプリケーション	適用あり: ELISA, ICC/IF
種交差性	交差種: Species independent
免疫原	Chemical/ Small Molecule corresponding to cAMP conjugated to keyhole limpet haemocyanin.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	<p>pH: 7.20</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP8471
アイソタイプ	IgG

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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 a concentration of 0.25 µg/ml.
ICC/IF		Use a concentration of 5 µg/ml.

ターゲット情報

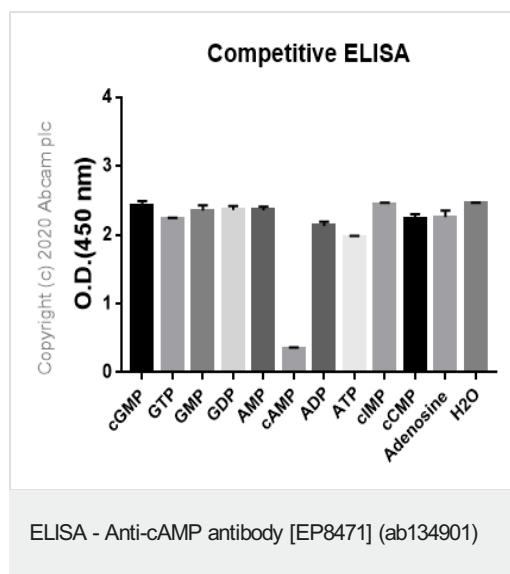
関連性

Cyclic adenosine monophosphate (cAMP) plays a key role as an intracellular second messenger for transduction events that follow a number of extracellular signals. The G-Protein Coupled Receptors (GPCR) is the largest family of cell surface receptors. They can be activated by different ligands, such as neurotransmitters, hormones, ions, small molecules, peptides, and other physiological signaling molecules. Typically, the binding of the ligands to its receptor resulting in the activation of G-proteins, in return, activates the effector adenylyl cyclase evoking the production of cAMP. The activation of a protein kinase by cAMP results in the phosphorylation of substrate proteins. Currently successful drugs in marketing have been developed to target these receptors. Among the GPCRs, ~367 receptors are potential drug development targets, but only about 20 have been used to generate therapeutically and commercially successful drugs so far. Because the involvement of cAMP can amplify the response of the ligand binding, the second messenger cAMP has been largely employed to monitor the activation of the GPCR to facilitate the therapeutic drug discovery.

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画像




Competitive ELISA antigen dose-response graph using purified ab134901 (0.25 µg/mL). Antigen concentration of 0.1 µg/mL. AffiniPure Goat Anti-Rabbit IgG FC-HRP (1/2500 dilution) was used as the secondary antibody.


Why choose a recombinant antibody?




Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-cAMP antibody [EP8471] (ab134901)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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