abcam

Product datasheet

Anti-Adenosine Receptor A2a antibody [7F6-G5-A2] ab79714

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製品の概要

製品名	Anti-Adenosine Receptor A2a antibody [7F6-G5-A2]
製品の詳細	Mouse monoclonal [7F6-G5-A2] to Adenosine Receptor A2a
由来種	Mouse
特異性	This antibody is recommended for tissue lysates only. In house testing has shown no signal in Western Blot for SH-SY5Y, SK-N-SH, PC-12 or HeLa cell lines.
アプリケーション	**適用あり:** IHC-P, WB **適用なし:** ICC/IF
種交差性	**交差種:** Mouse, Rat, Human **交差が予測される動物種:** Guinea pig, Hamster, Dog, Non human primates
免疫原	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
エピトープ	Recognises amino acids 213-220 (SQPLPGER) within the third intracellular loop.
ポジティブ・コントロール	WB: Human, mouse, and rat brain tissue lysates. IHC-P: Rat, mouse and human brain caudate nucleus.
特記事項	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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. 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

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	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 6.97% L-Arginine

精製度	Protein G purified
特記事項（精製）	Purified by running the antiserum from the injected animal through an affinity column with the antigen bound to a beaded agarose gel.
ポリ/モノ	モノクローナル
クローン名	7F6-G5-A2
アイソタイプ	IgG2a

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ab79714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。

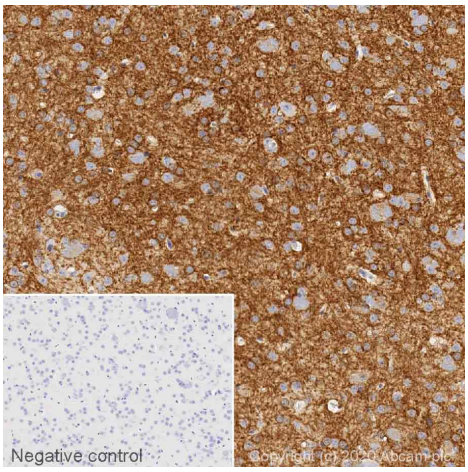
アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB	★★★★☆ (1)	Use a concentration of 1 - 5 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 45 kDa). We recommend using 1% BSA as a blocking agent for western blot.

追加情報 Is unsuitable for ICC/IF.

ターゲット情報

機能	Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.
配列類似性	Belongs to the G-protein coupled receptor 1 family.
ドメイン	The cytoplasmic C-terminal domain is necessary for targeting the non-ubiquitinated form of this protein to the cell surface.
翻訳後修飾	Ubiquitinated. Deubiquitinated by USP4; leading to stabilization and expression at the cell surface.
細胞内局在	Cell membrane.

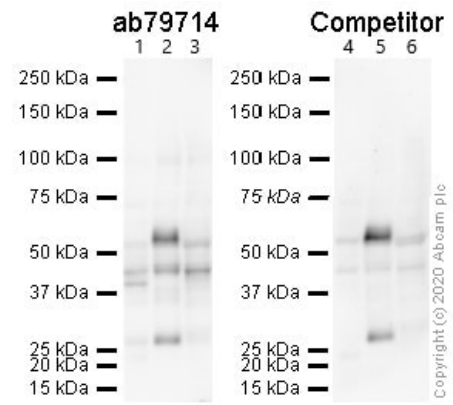
画像



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody [7F6-G5-A2] (ab79714)

IHC image of Adenosine Receptor A2a staining in Mouse normal brain Caudate Nucleus formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab79714, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Western blot - Anti-Adenosine Receptor A2a antibody [7F6-G5-A2] (ab79714)

Lanes 1-3 : Anti-Adenosine Receptor A2a antibody [7F6-G5-A2] (ab79714) at 5 µg/ml
Lanes 4-6 : Competitor product at 5 µg/ml

Lanes 1 & 4 : Human brain tissue lysate
Lanes 2 & 5 : Mouse brain tissue lysate
Lanes 3 & 6 : Rat brain tissue lysate

Lysates/proteins at 20 µg per lane.

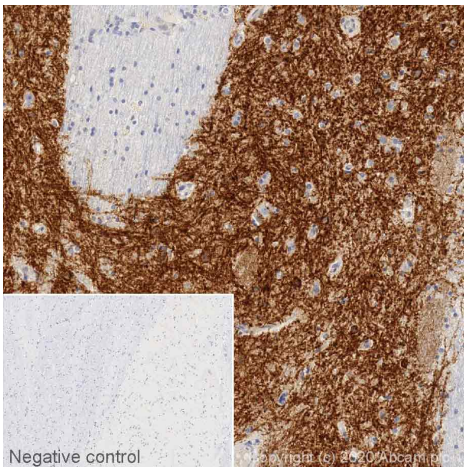
Secondary
All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/5000 dilution

Predicted band size: 45 kDa
Observed band size: 45 kDa
Additional bands at: 25 kDa, 39 kDa, 55 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

Blocking buffer: 1% BSA

Gel type: MOPS



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody [7F6-G5-A2] (ab79714)

IHC image of Adenosine Receptor A2a staining in Human normal brain Caudate Nucleus formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab79714, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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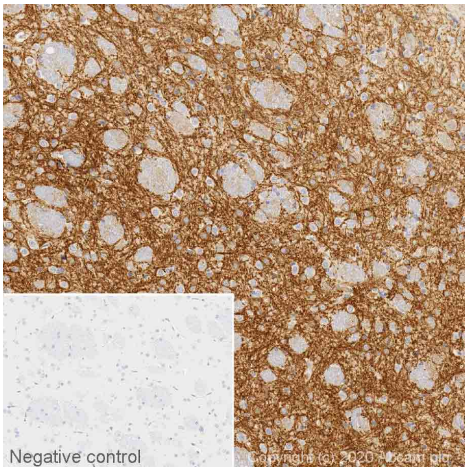
**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Adenosine Receptor A2a antibody [7F6-G5-A2] (ab79714)

IHC image of Adenosine Receptor A2a staining in Rat normal brain Caudate Nucleus formalin fixed paraffin embedded tissue section*, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab79714, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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