

Anti-Amyloid Fibril antibody [mOC22] - Conformation-Specific ab205339

リコンビナント RabMAb

★★★★★ [1 Abreviews](#) [4 References](#) [画像数 4](#)

製品の概要

製品名	Anti-Amyloid Fibril antibody [mOC22] - Conformation-Specific
製品の詳細	Rabbit monoclonal [mOC22] to Amyloid Fibril - Conformation-Specific
由来種	Rabbit
アプリケーション	適用あり: IHC-P, Dot blot
種交差性	交差種: Human
免疫原	The details of the immunogen for this antibody are not available.
ポジティブ・コントロール	Dot Blot: beta Amyloid (A β) 1-40 and beta Amyloid (A β) 1-42. IHC-P: FFPE Hu Brain Alzheimer.
特記事項	<p>This antibody was developed as part of a collaboration between Abcam and Professor Charles Glabe, UC Irvine.</p> <p>ab205339 (mOC22) recognizes a conformation-dependent and aggregation-specific generic fibril epitope that is independent of the peptide sequence. Although it maps to a linear segment of Aβ (residues 3-7, EFRHD) it also reacts with alpha synuclein and islet amyloid polypeptide (IAPP) fibrils but not monomers (Hatami et al 2014). mOC22 preferentially stains the central core of cored plaques. mOC22 also stains misfolded or aggregated intraneuronal amyloid deposits (Hatami et. al 2014). Immunoreactivity on western blots is enhanced by boiling the membrane.</p> <p>For further information on the immunogen, please refer to Hatami et al. 2014 and Kayed et al. 2007.</p> <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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol, 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	mOC22
アイソタイプ	IgG

アプリケーション

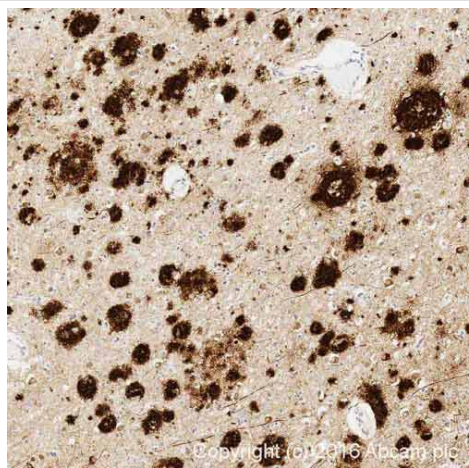
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab205339の使用に適用されず
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 0.1 - 0.5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Dot blot		1/7000.

ターゲット情報

細胞内局在 Membrane.

画像

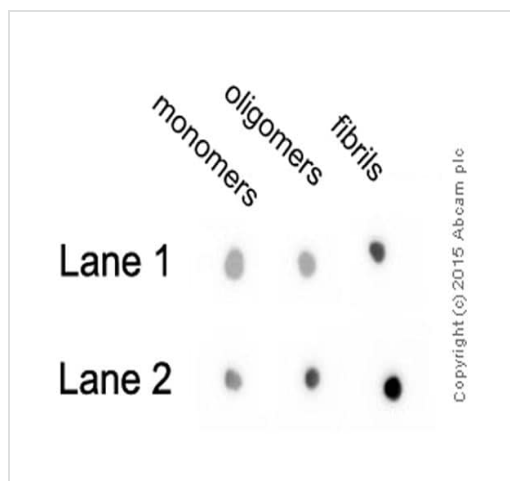


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Amyloid Fibril antibody [mOC22] - Conformation-Specific (ab205339)

IHC image of Amyloid Fibril staining in Human Brain Alzheimer 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 ab205339, 0.1µg/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.

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



Dot Blot - Anti-Amyloid Fibril antibody [mOC22] - Conformation-Specific (ab205339)

Dot blot analysis of beta Amyloid labeled with ab205339 at 1/7000 dilution.

Lane 1: beta Amyloid (A β) 1-40;

Lane 2: beta Amyloid (A β) 1-42.

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/30000 was used as secondary antibody.

Blocking/Dilution buffer: 5% NFDN/TBST.

Exposure time: 30 seconds.

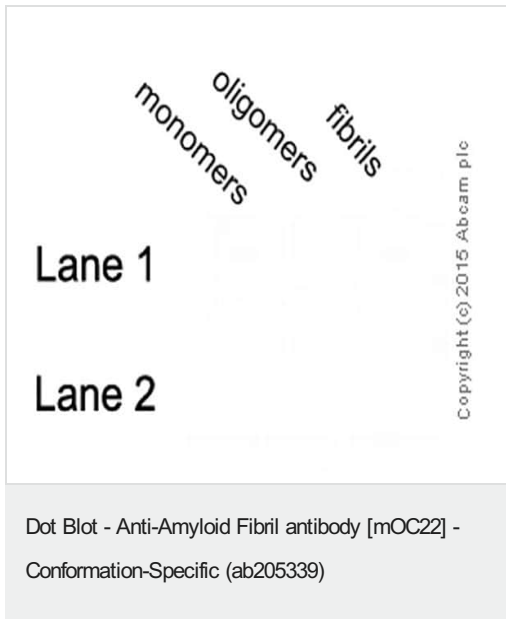
Note: Antibody reactivity was assessed using a dot blot, which is a non-quantitative method that maintains the native conformation of beta Amyloid. beta Amyloid 1-40 and 1-42 peptides underwent the following aggregation conditions before being spotted onto a nitrocellulose membrane and detected using ab205339:

Monomers: 0.3 mg of beta Amyloid peptide was dissolved in 30 µl 100 mM NaOH and incubated at room temperature for 10 minutes. It was then diluted with 970 µl of 1% SDS and boiled for five minutes.

Oligomers: 0.3 mg of beta Amyloid peptide was dissolved in 30 µl 100 mM NaOH and incubated at room temperature for 10 minutes. It was then diluted with 970 µl of 10 mM phosphate buffer pH 7.4 containing 0.02% sodium azide and incubated at room temperature for four days.

Fibrils: 0.3 mg of beta Amyloid peptide was dissolved in 1 ml 50% hexafluoroisopropanol (HFIP) with 0.02% sodium azide. It was then stirred constantly for nine days; the first seven with a cap on and the

final two with the cap removed to allow evaporation of the HFIP. Fibrils were then sedimented at 20,000 rpm in a microcentrifuge for 20 minutes and resuspended in 1 ml of PBS + 0.02% sodium azide.



Negative control (secondary ab only) Dot blot analysis of beta Amyloid.

Lane 1: beta Amyloid (A β) 1-40;





Lane 2: beta Amyloid (A β) 1-42.

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/30000 was used as secondary antibody.

Blocking/Dilution buffer: 5% NFDM/TBST.

Exposure time: 30 seconds.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

Anti-Amyloid Fibril antibody [mOC22] - Conformation-Specific (ab205339)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors