

Anti-VGLUT2 antibody [8G9.2] ab79157

★★★★★ [8 Abreviews](#) [40 References](#) [画像数 3](#)

製品の概要

製品名	Anti-VGLUT2 antibody [8G9.2]
製品の詳細	Mouse monoclonal [8G9.2] to VGLUT2
由来種	Mouse
特異性	We recommend ab216463 as an alternative for IHC-P and IHC-Fr.
アプリケーション	適用あり: IHC-Fr, IHC-P, ICC/IF, IHC-FrFI, WB
種交差性	交差種: Mouse, Rat
免疫原	Recombinant full length protein corresponding to Rat VGLUT2.
ポジティブ・コントロール	Floating mouse brain tissue sections.
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&As</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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	<p>pH: 7.60</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituents: 1.45% Sodium chloride, 0.328% Sodium phosphate</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	8G9.2
アイソタイプ	IgG1

アプリケーション

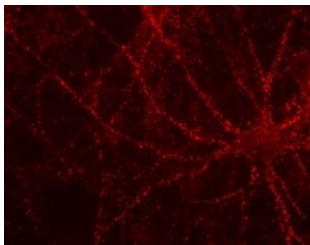
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab79157の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-Fr		Use at an assay dependent concentration. PubMed: 22064485 We recommend ab216463 as an alternative for IHC-P and IHC-Fr.
IHC-P	★★★★★ (3)	Use at an assay dependent concentration. We recommend ab216463 as an alternative for IHC-P and IHC-Fr.
ICC/IF	★★★★★ (1)	1/1000.
IHC-FrFI	★★★★★ (1)	Use at an assay dependent concentration.
WB	★★★★★ (2)	Use at an assay dependent concentration. Detects a band of approximately 63 kDa (predicted molecular weight: 64 kDa).

ターゲット情報

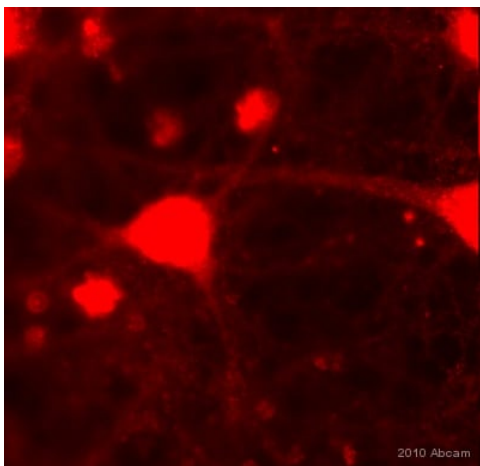
機能	Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.
組織特異性	Predominantly expressed in adult brain. Expressed in amygdala, caudate nucleus, cerebral cortex, frontal lobe, hippocampus, medulla, occipital lobe, putamen, spinal cord, substantia nigra, subthalamic nucleus, temporal lobe and thalamus.
配列類似性	Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily.
発生段階	Expressed in fetal brain.
細胞内局在	Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Membrane. Cell junction, synapse, synaptosome.

画像



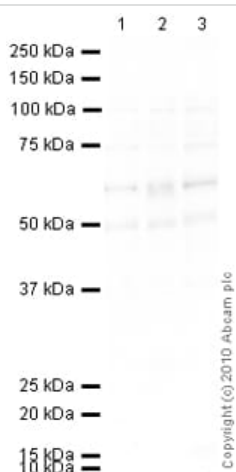
ab79157, at 1/300 dilution, staining VGLUT2 by
Immunohistochemistry using ABC with NiDAB on floating mouse
brain tissue sections.

Immunohistochemistry - Free Floating - Anti-
VGLUT2 antibody [8G9.2] (ab79157)



Immunocytochemistry/ Immunofluorescence - Anti-VGLUT2 antibody [8G9.2] (ab79157)

This image is courtesy of Ruma Raha-Chowdhury, University Of Cambridge, United Kingdom



Western blot - Anti-VGLUT2 antibody [8G9.2] (ab79157)

Immunocytochemical detection of VGLUT2 using antibody ab79157 on rat primary hippocampal neuronal culture. Fixative: Paraformaldehyde. Permeabilization: Triton 0.3% in 0.1X PBS. Blocking step: 10% Serum as blocking agent for 20 mins @ 24°C. Primary Antibody: 1 µg/ml for 1 hour @ 24°C in Donkey serum in 0.1%PBS plus Triton 0.3%. Secondary Antibody: Alexa Fluor® 568 Conjugation (1/1000). The submitted image shows ab79157 staining rat primary hippocampal neurons.

All lanes : Anti-VGLUT2 antibody [8G9.2] (ab79157) at 1 µg/ml

Lane 1 : Rat Cortex Tissue Lysate

Lane 2 : Hippocampus (Mouse) Tissue Lysate

Lane 3 : Rat Substantia Nigra Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed ([ab97040](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 64 kDa

Observed band size: 63 kDa

Additional bands at: 50 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 12 minutes

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