


Product datasheet

Anti-Mu Opioid Receptor antibody [UMB3] - C-terminal ab134054

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [34 References](#) [2 Images](#)

Overview

Product name	Anti-Mu Opioid Receptor antibody [UMB3] - C-terminal
Description	Rabbit monoclonal [UMB3] to Mu Opioid Receptor - C-terminal
Host species	Rabbit
Specificity	<p>The antibody detects the band of interest in transfected cell lines. When tested in our lab, we were not able to detect any signal from the endogenous protein.</p> <p>This antibody can be used in IHC and ICC/IF as demonstrated in several publications, however, it did not pass our internal validation in these applications. Please refer to PMID 20851148, 21957251, 26290245, and other references.</p>
Tested applications	<p>Suitable for: WB</p> <p>Unsuitable for: Flow Cyt</p>
Species reactivity	<p>Reacts with: Recombinant fragment</p> <p>Predicted to work with: Mouse, Rat </p>
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Mu Opioid Receptor transfected HEK-293 lysate.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Storage buffer	pH: 7.2

	Preservative: 0.01% Sodium azide
	Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	UMB3
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134054 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

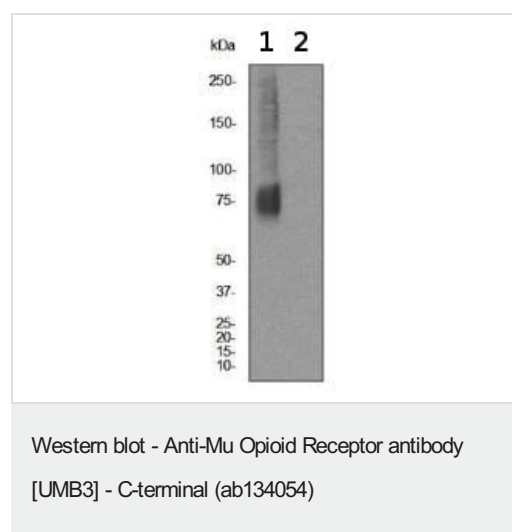
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 75-78 kDa (predicted molecular weight: 45 kDa).

Application notes Is unsuitable for Flow Cyt.

Target

Function	Inhibits neurotransmitter release by reducing calcium ion currents and increasing potassium ion conductance. Receptor for beta-endorphin.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family.
Cellular localization	Cell membrane.

Images



All lanes : Anti-Mu Opioid Receptor antibody [UMB3] - C-terminal (ab134054) at 1/1000 dilution

Lane 1 : Mu Opioid Receptor transfected HEK-293 (Human epithelial cell line from embryonic kidney) lysate

Lane 2 : HEK-293T cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 45 kDa

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-Mu Opioid Receptor antibody [UMB3] - C-terminal (ab134054)

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.com/abpromise> or contact our technical team.

Terms and conditions

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