



Product datasheet

Anti-Enkephalin/ENK antibody ab172085

1 Image

Overview

Product name	Anti-Enkephalin/ENK antibody
Description	Mouse polyclonal to Enkephalin/ENK
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	<p>Recombinant full length protein corresponding to Human Enkephalin/ENK aa 1-267. Sequence:</p> <p>MARFLTLCWLLLLGPGLLATVRAECSQDCATCSYRLVRP ADISFLACVM ECEGKLPSLKIWETCKELLQLSRPELPQDGTSTLRENSKP EESHLLAKRY GGFMKRYGGFMKKMDELYPMEPEEEANGSEILAKRYGGF MKKDAEEDDSL ANSSDLLKELLETDGDNRERSHHQDGSNNEEVSKRYGGF MRGLKRSPQLE DEAKELQKRYGGFMRRVGRPEWWMDYQKRYGGFLKRF AEALPSDEEGESY SKEVPEMEKRYGGFMRF</p> <p>Database link: AAH32505.1</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	Leu + Met Enkephalin-transfected 293T cell lysate.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p>

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	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.
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab172085** in the following tested applications.

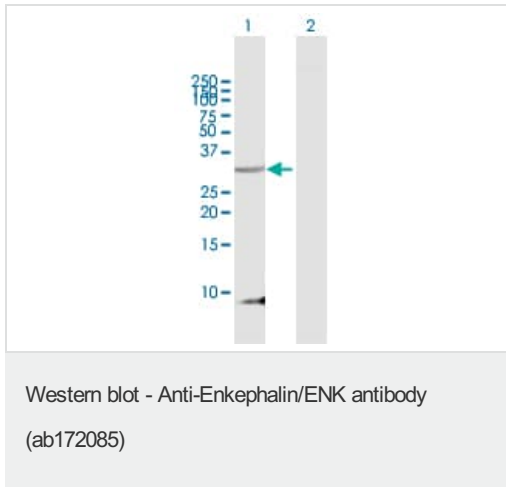
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/1000. Predicted molecular weight: 31 kDa.

Target

Function	Met- and Leu-enkephalins compete with and mimic the effects of opiate drugs. They play a role in a number of physiologic functions, including pain perception and responses to stress. PENK(114-133) and PENK(237-258) increase glutamate release in the striatum. PENK(114-133) decreases GABA concentration in the striatum.
Sequence similarities	Belongs to the opioid neuropeptide precursor family.
Post-translational modifications	The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.
Cellular localization	Secreted.

Images



All lanes : Anti-Enkephalin/ENK antibody (ab172085) at 1/500 dilution

Lane 1 : Enkephalin-transfected 293T cell lysate

Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 15 µl per lane.

Secondary

All lanes : Goat Anti-Mouse IgG (H+L)-HRP at 1/2500 dilution

Developed using the ECL technique.

Predicted band size: 31 kDa

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