


Anti-Enkephalin/ENK antibody ab77273

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Overview

Product name	Anti-Enkephalin/ENK antibody
Description	Goat polyclonal to Enkephalin/ENK
Host species	Goat
Tested applications	Suitable for: WB, IHC-FoFr
Species reactivity	Reacts with: Human Predicted to work with: Chimpanzee 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human Adrenal Gland lysate
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab77273 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		Use a concentration of 1 - 3 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 31 kDa). 1 hour primary incubation is recommended for this product.
IHC-FoFr		Use at an assay dependent concentration.

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.

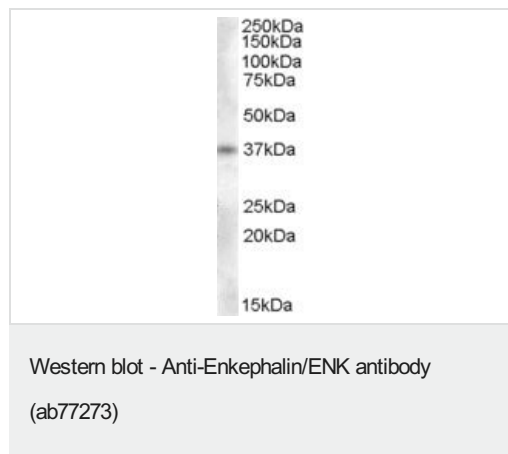
Post-translational modifications

The N-terminal domain contains 6 conserved cysteines thought to be involved in disulfide bonding and/or processing.

Cellular localization

Secreted.

Images



Anti-Enkephalin/ENK antibody (ab77273) at 0.3 µg/ml + Human Adrenal Gland lysate in RIPA buffer at 35 µg

Predicted band size: 31 kDa

Observed band size: 37 kDa

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

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