

Anti-ProDynorphin antibody ab11137

★★★★☆ [3 Abreviews](#) [4 References](#)

Overview

Product name	Anti-ProDynorphin antibody
Description	Rabbit polyclonal to Dynorphin B
Host species	Rabbit
Specificity	This antibody blocks specifically with leumorphin (rat only). Cells are found in the paraventricular and supraoptic nucleus and fibres in the lateral hypothalamus in rat brain of colchicine treated 4% FA perfused tissue.
Tested applications	Suitable for: IHC-Fr
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Synthetic peptide corresponding to Rat ProDynorphin. Run BLAST with ExPASy Run BLAST with NCBI
General notes	<p>This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use.</p> <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. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 1% BSA, 5% Sucrose
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab11137 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
IHC-Fr		1/100 - 1/2000.

Target

Function	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. Dynorphin peptides differentially regulate the kappa opioid receptor. Dynorphin A(1-13) has a typical opiod activity, it is 700 times more potent than Leu-enkephalin. Leumorphin has a typical opiod activity and may have anti-apoptotic effect.
Involvement in disease	Defects in PDYN are the cause of spinocerebellar ataxia type 23 (SCA23) [MIM:610245]. Spinocerebellar ataxia is a clinically and genetically heterogeneous group of cerebellar disorders. Patients show progressive incoordination of gait and often poor coordination of hands, speech and eye movements, due to degeneration of the cerebellum with variable involvement of the brainstem and spinal cord. SCA23 is an adult-onset autosomal dominant form characterized by slowly progressive gait and limb ataxia, with variable additional features, including peripheral neuropathy and dysarthria.
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.

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