abcam

Product datasheet

Biotin Anti-Vasopressin antibody ab48322

1 References

Overview

Product name	Biotin Anti-Vasopressin antibody
Description	Biotin Rabbit polyclonal to Vasopressin
Host species	Rabbit
Conjugation	Biotin
Tested applications	**Suitable for:** ELISA, RIA
Species reactivity	**Reacts with:** Human **Predicted to work with:** Mouse, Rat, Sheep, Chicken, Guinea pig, Cow, Cat, Dog, Pig, Xenopus laevis, Pufferfish, Zebrafish
Immunogen	Synthetic peptide: CYFQNCPRG conjugated to KLH via Cys Run BLAST with Run BLAST with
General notes	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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: 49.73% PBS, 50% Glycerol (glycerin, glycerine), 0.25% BSA
Purity	Protein G purified
Clonality	Polyclonal

Isotype IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab48322 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
ELISA		Use at an assay dependent concentration.
RIA		Use at an assay dependent concentration.

Target

Relevance Vasopressin, also known as arginine vasopressin (AVP) or antidiuretic hormone (ADH), is a posterior pituitary hormone that is synthesised in the hypothalamus. Vasopressin is synthesised as a precursor protein that consists of arginine vasopressin and two associated proteins, neurophysin 2 and the glycopeptide copeptin. Vasopressin, together with its carrier protein neurophysin II, is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis, where it is either stored or secreted into the bloodstream. Vasopressin acts as a growth factor by enhancing pH regulation through acid-base transport systems. It has a direct antidiuretic action on the kidney and also causes vasoconstriction of the peripheral vessels. Vasopressin can also contract smooth muscle during parturition and lactation. It also plays a role in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. Mutations in the vasopressin precursor cause autosomal dominant neurohypophyseal diabetes insipidus (ADNDI), which is characterised by persistant thirst, polydipsia and polyuria.

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