abcam

Product datasheet

Anti-Prokineticin 2/PK2 antibody ab76747

10 References 1 Image

Overview

Product name	Anti-Prokineticin 2/PK2 antibody
Description	Rabbit polyclonal to Prokineticin 2/PK2
Host species	Rabbit
Tested applications	**Suitable for:** IHC-P
Species reactivity	**Reacts with:** Mouse **Predicted to work with:** Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
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. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab76747 in the following tested applications.

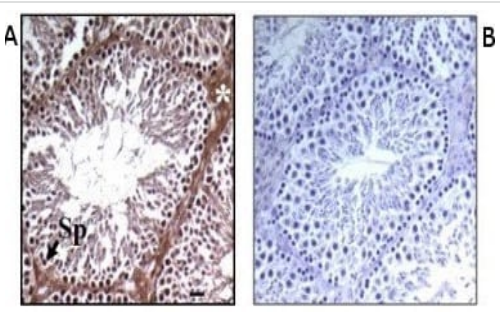
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/1000.

Target

Function	May function as an output molecule from the suprachiasmatic nucleus (SCN) that transmits behavioral circadian rhythm. May also function locally within the SCN to synchronize output. Potently contracts gastrointestinal (GI) smooth muscle.
Tissue specificity	Expressed in the testis and, at low levels, in the small intestine.
Involvement in disease	Defects in PROK2 are the cause of Kallmann syndrome type 4 (KAL4) [MIM:610628]; also known as hypogonadotropic hypogonadism and anosmia. Anosmia or hyposmia is related to the absence or hypoplasia of the olfactory bulbs and tracts. Hypogonadism is due to deficiency in gonadotropin-releasing hormone and probably results from a failure of embryonic migration of gonadotropin-releasing hormone-synthesizing neurons. KAL4 patients have variable degrees of olfactory and reproductive dysfunction, but do not show any of the occasional clinical anomalies reported in Kallmann syndrome such as renal agenesis, cleft lip/palate, selective tooth agenesis, and bimanual synkinesis.
Sequence similarities	Belongs to the AVIT (prokineticin) family.
Cellular localization	Secreted.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Prokineticin 2/PK2 antibody (ab76747)

A: ab76747 staining Prokinectin 2 in Mouse testis by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).
B: Negative control treated with preimmune serum.
Both sections counterstained with haematoxylin.

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