Product datasheet

Anti-Prokineticin 2/PK2 antibody ab76747

Overview

Product name: Anti-Prokineticin 2/PK2 antibody
Description: Rabbit polyclonal to Prokineticin 2/PK2
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-Fr, IHC-P
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Synthetic peptide corresponding to Human Prokineticin 2/PK2 (C terminal).
(Peptide available as ab140536)
General notes: This product was previously labelled as Prokineticin 2

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

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.

<table>
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<th>Application</th>
<th>Notes</th>
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<td>IHC-Fr</td>
<td>1/100 - 1/1000.</td>
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**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.

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**Images**

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

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**Target**

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

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