


Anti-Prokineticin 2/PK2 antibody ab87360

[3 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: WB
Species reactivity	Reacts with: Mouse, Rat, Human Predicted to work with: Macaque monkey, Gorilla 
Immunogen	Synthetic peptide corresponding to Human Prokineticin 2/PK2 aa 100 to the C-terminus conjugated to keyhole limpet haemocyanin. (Peptide available as ab123828)
Positive control	This antibody gave a positive signal in the following tissue lysates: Human Testis; Human Small Intestine; Mouse Testis; Rat Testis.
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. 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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

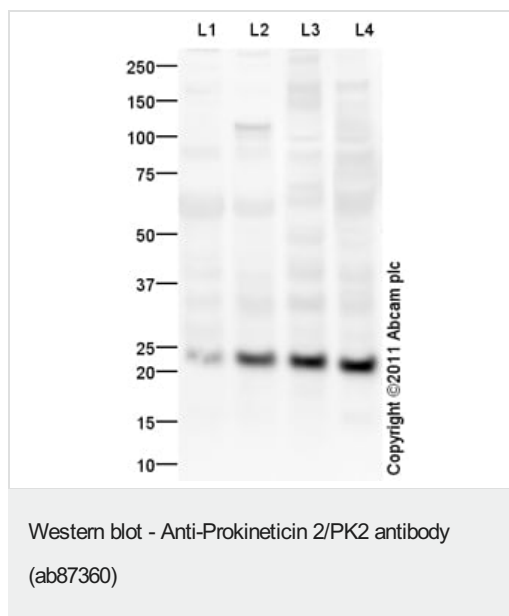
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab87360 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 21 kDa (predicted molecular weight: 14 kDa).

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



All lanes : Anti-Prokineticin 2/PK2 antibody (ab87360) at 1 µg/ml

Lane 1 : Human testis tissue lysate - total protein ([ab30257](#))

Lane 2 : Human small intestine tissue lysate - total protein ([ab29276](#))

Lane 3 : Testis (Mouse) Tissue Lysate

Lane 4 : Testis (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 14 kDa

Observed band size: 21 kDa

Additional bands at: 115 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 20 minutes

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors