

Product datasheet

Anti-RBPJK antibody ab33065

★★★★★ 1 Abreviews 2 References 2 Images

Overview

Product name	Anti-RBPJK antibody
Description	Rabbit polyclonal to RBPJK
Host species	Rabbit
Specificity	ab33065 appears to recognise a band at approximately 56 kDa in pancreatic tissue corresponding to RBPJK. However, ab33065 also recognises a band at 35 kDa, which may be due to non-specific binding.
Tested applications	Suitable for: IHC-P, EMSA, WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide derived from within residues 300 - 400 of Human RBPJK. Read Abcam's proprietary immunogen policy (Peptide available as ab26982 .)
Positive control	This antibody gave a positive signal in Human Pancreas tissue lysate in both Western blot and Immunohistochemistry.

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: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab33065** 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	★★★★★	1/250.
EMSA		Use at an assay dependent concentration. PubMed: 21991380
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 56 kDa (predicted molecular weight: 56 kDa).

Target

Function

Transcriptional regulator that plays a central role in Notch signaling, a signaling pathway involved in cell-cell communication that regulates a broad spectrum of cell-fate determinations. Acts as a transcriptional repressor when it is not associated with Notch proteins. When associated with some NICD product of Notch proteins (Notch intracellular domain), it acts as a transcriptional activator that activates transcription of Notch target genes. Probably represses or activates transcription via the recruitment of chromatin remodeling complexes containing histone deacetylase or histone acetylase proteins, respectively. Specifically binds to the immunoglobulin kappa-type J segment recombination signal sequence.

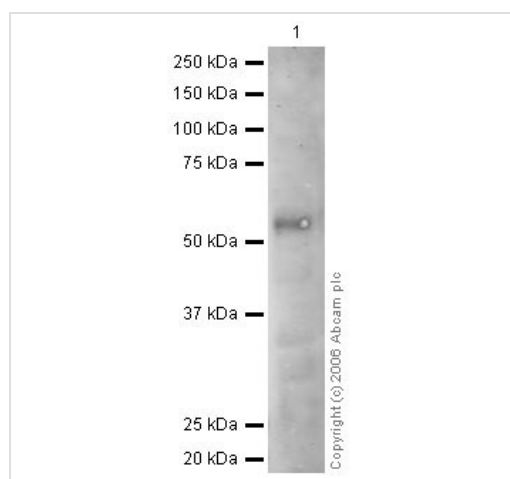
Sequence similarities

Belongs to the Su(H) family.
Contains 1 IPT/TIG domain.

Cellular localization

Nucleus. Cytoplasm. Mainly nuclear, upon interaction with RITA/C12orf52, translocates to the cytoplasm, down-regulating the Notch signaling pathway.

Images



Western blot - Anti-RBPJK antibody (ab33065)

Anti-RBPJK antibody (ab33065) at 1 µg/ml (Pancreas (Human)
Tissue Lysate)

Secondary

Goat polyclonal to Rabbit IgG (Alexa Fluor® 680) at 1/10000
dilution

Performed under reducing conditions.

Predicted band size: 56 kDa

Observed band size: 56 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RBPJK antibody (ab33065)

This image is courtesy of an Abreview submitted by Antibody Solutions Ltd.

ab33065 staining RBPJK in human pancreatic tissue section by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue underwent fixation in formaldehyde, heat mediated antigen retrieval in Citrate buffer pH 6.0 and blocking (5 minutes/peroxidase block then 10 minutes/protein block) for 15 minutes at 20°C. The primary antibody was diluted, 1/250 and incubated with sample for 45 minutes at 20°C. A HRP conjugated goat polyclonal to rabbit IgG was used undiluted as secondary.

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