

Product datasheet

Anti-BORIS antibody [EP12204] ab187163

Recombinant RabMAb

★★★★☆ [1 Abreviews](#) [3 References](#) [4 Images](#)

Overview

Product name	Anti-BORIS antibody [EP12204]
Description	Rabbit monoclonal [EP12204] to BORIS
Host species	Rabbit
Specificity	We don't recommend WB application for this antibody as it detects extra bands.
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human, mouse and rat testis tissue.
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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 long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP12204
Isotype	IgG

Applications

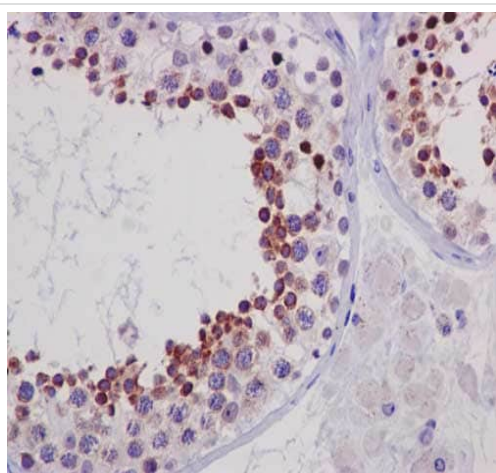
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab187163 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

Function	Testis-specific DNA binding protein responsible for insulator function, nuclear architecture and transcriptional control, which probably acts by recruiting epigenetic chromatin modifiers. Plays a key role in gene imprinting in male germline, by participating in the establishment of differential methylation at the IGF2/H19 imprinted control region (ICR). Directly binds the unmethylated H19 ICR and recruits the PRMT7 methyltransferase, leading to methylate histone H4 'Arg-3' to form H4R3sme2. This probably leads to recruit de novo DNA methyltransferases at these sites (By similarity). Seems to act as tumor suppressor. In association with DNMT1 and DNMT3B, involved in activation of BAG1 gene expression by binding to its promoter. Required for dimethylation of H3 lysine 4 (H3K4me2) of MYC and BRCA1 promoters.
Tissue specificity	Testis specific. Specifically expressed in primary spermatocytes.
Sequence similarities	Belongs to the CTCF zinc-finger protein family. Contains 11 C2H2-type zinc fingers.
Developmental stage	Is up-regulated in primary spermatocytes (expression overlapping with the genome-wide erasure of methylation) to become silenced on activation of CTCF in post-meiotic germline cells (expression corresponding to DNA remethylation).
Cellular localization	Cytoplasm. Nucleus.

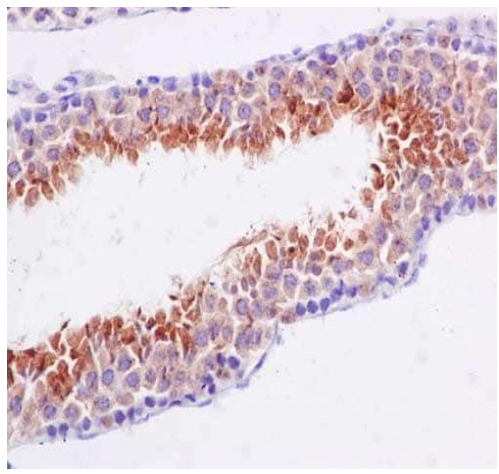
Images



Immunohistochemical analysis of paraffin-embedded human testis tissue labeling BORIS with ab187163 at 1/1000 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counterstained with hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

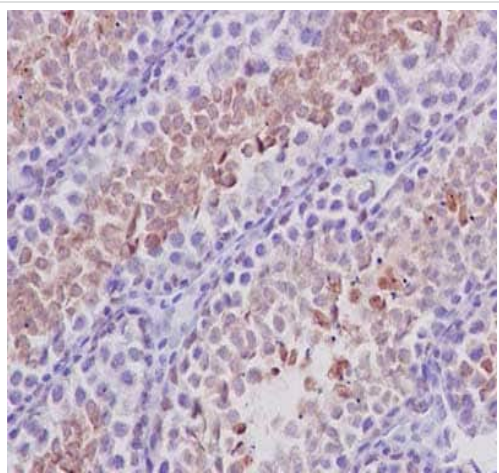
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BORIS antibody [EP12204] (ab187163)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BORIS antibody [EP12204] (ab187163)

Immunohistochemical analysis of paraffin-embedded mouse testis tissue labeling BORIS with ab187163 at 1/1000 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counterstained with hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BORIS antibody [EP12204] (ab187163)

Immunohistochemical analysis of paraffin-embedded rat testis tissue labeling BORIS with ab187163 at 1/1000 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counterstained with hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-BORIS antibody [EP12204] (ab187163)

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

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