

Anti-PIWIL4/PIWI antibody ab180867

★★★★☆ [2 Abreviews](#) [2 References](#) [画像数 2](#)

製品の概要

製品名	Anti-PIWIL4/PIWI antibody
製品の詳細	Rabbit polyclonal to PIWIL4/PIWI
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB
種交差性	交差種: Mouse, Human
免疫原	Recombinant fragment within Human PIWIL4/PIWI aa 500-850. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q7Z3Z4
ポジティブ・コントロール	HeLa, 231 and 293T cell extracts.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 50% Glycerol, 49% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

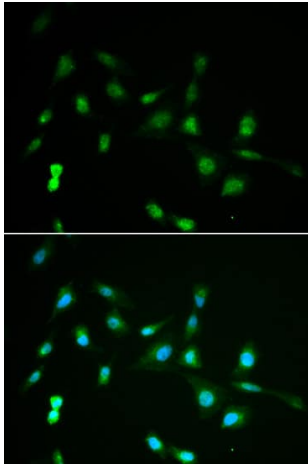
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab180867の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
WB		1/500 - 1/2000. Predicted molecular weight: 97 kDa. Fresh tissue samples is needed.

ターゲット情報

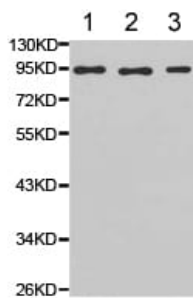
機能	Plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Directly binds piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. Associates with secondary piRNAs antisense and PWIL2/MILI is required for such association. The piRNA process acts upstream of known mediators of DNA methylation. Participates to a piRNA amplification loop. Besides their function in transposable elements repression, piRNAs are probably involved in other processes during meiosis such as translation regulation (By similarity). May be involved in the chromatin-modifying pathway by inducing 'Lys-9' methylation of histone H3 at some loci.
組織特異性	Expressed in testis. According to PubMed:17544373, it is ubiquitously expressed.
配列類似性	Belongs to the argonaute family. Piwi subfamily. Contains 1 PAZ domain. Contains 1 Piwi domain.
翻訳後修飾	Arginine methylation by PRMT5 is required for the interaction with Tudor domain-containing protein (TDRD1, TDRKH/TDRD2 and TDRD9) and subsequent localization to the meiotic nuage, also named P granule.
細胞内局在	Nucleus. Cytoplasm. Probable component of the meiotic nuage, also named P granule, a germ-cell-specific organelle required to repress transposon during meiosis. PWIL2/MILI is required for nuclear localization.

画像



Immunocytochemistry/Immunofluorescence analysis of A549 cells using ab180867. Blue DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-PIWIL4/PIWI antibody (ab180867)



All lanes : Anti-PIWIL4/PIWI antibody (ab180867) at 1/500 dilution

Lane 1 : HeLa cell extract

Lane 2 : 231 cell extract

Lane 3 : 293T cell extract

Predicted band size: 97 kDa

Western blot - Anti-PIWIL4/PIWI antibody (ab180867)

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