Leader in Biomolecular Solutions for Life Science

# **PIWIL4 Rabbit pAb**

Catalog No.: A13201



#### **Basic Information**

**Observed MW** 97kDa

Calculated MW 97kDa

**Category** Primary antibody

Applications ELISA,WB,IHC-P

**Cross-Reactivity** Human, Mouse, Rat

#### Background

PIWIL4 belongs to the Argonaute family of proteins, which function in development and maintenance of germline stem cells (Sasaki et al., 2003 [PubMed 12906857]).

#### Recommended Dilutions

### **Immunogen Information**

| WB    | 1:500 - 1:1000 | Gene ID | Swiss Prot |
|-------|----------------|---------|------------|
| ІНС-Р | 1:50 - 1:200   | 143689  | Q7Z3Z4     |

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 260-460 of human PIWIL4 (NP\_689644.2).

#### Synonyms

HIWI2; MIWI2; PIWIL4

| Contact |
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## Product Information

www.abclonal.com

**lsotype** IgG Purification Affinity purification

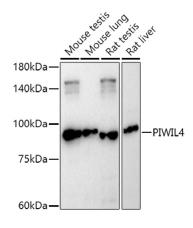
Storage

Source

Rabbit

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

## **Validation Data**



Western blot analysis of extracts of various cell lines, using PIWIL4 antibody (A13201) at 1:1000 dilution.

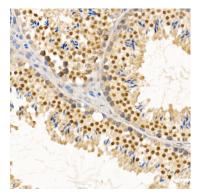
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

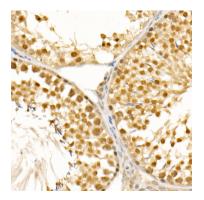
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

Exposure time: 10s.



Immunohistochemistry analysis of paraffin-embedded mouse testis using PIWIL4 Rabbit pAb (A13201) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of paraffin-embedded rat testis using PIWIL4 Rabbit pAb (A13201) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.