

Product datasheet

Anti-Pumilio 2 antibody ab57049

1 图像

概述

产品名称	Anti-Pumilio 2抗体
描述	小鼠单克隆抗体to Pumilio 2
经测试应用	适用于: WB
种属反应性	与反应: Human
免疫原	Recombinant fragment: DIMPSGRSRL LEDFRNNRFP NLQLRDLIGH IVEFSQDQHG SRFIQKLER ATPAERQMVF NEILQAAYQL MTDVFGNYVI QKFFFEFGSLD QKLALATR, corresponding to amino acids 701-799 of Human Pumilio 2 <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: None PBS, pH 7.2
纯度	Protein G purified
克隆	单克隆
同种型	IgG1
轻链类型	kappa

应用

Our [Abpromise guarantee](#) covers the use of **ab57049** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	Ab评论	说明
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WB

应用说明 WB: Use at a concentration of 1-5 µg/ml.

This antibody has only been tested in WB against the recombinant fragment used as immunogen. We have no data on the detection of endogenous protein.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

## 靶标

### 功能

Sequence-specific RNA-binding protein that regulates translation and mRNA stability by binding the 3'-UTR of mRNA targets. Its interactions and tissue specificity suggest that it may be required to support proliferation and self-renewal of stem cells by regulating the translation of key transcripts.

### 组织特异性

Expressed in male germ cells of adult testis (at protein level). Highly expressed in testis and ovary. Predominantly expressed in stem cells and germ cells. Expressed at lower level in brain, heart, kidney, liver, muscle, placenta, intestine and stomach Expressed in cerebellum, corpus callosum, caudate nucleus, hippocampus, medulla oblongata and putamen. Expressed in all fetal tissues tested.

### 序列相似性

Contains 1 PUM-HD domain.

Contains 8 pumilio repeats.

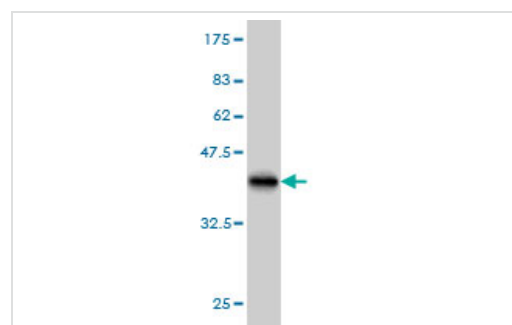
### 结构域

The pumilio repeats mediate the association with RNA by packing together to form a right-handed superhelix that approximates a half doughnut. The number as well as the specific sequence of the repeats determine the specificity for target mRNAs.

### 细胞定位

Cytoplasm. Cytoplasmic granule. Cytoplasm > perinuclear region. The cytoplasmic granules are stress granules which are a dense aggregation in the cytosol composed of proteins and RNAs that appear when the cell is under stress. Colocalizes with NANOS3 in the stress granules (By similarity). Colocalizes with NANOS1 and SNAPIN in the perinuclear region of germ cells.

## 图片



Western blot - Pumilio 2 antibody (ab57049)

Western blot against tagged recombinant protein immunogen using ab57049 Pumilio 2 antibody at 1ug/ml. Predicted band size of immunogen is 37 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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