

## Anti-PYM1 antibody

|                 |   |
|-----------------|---|
| <b>Cat. No.</b> | ml163193  |
| <b>Package</b>  | 25 µl/100 µl/200 µl                                     |
| <b>Storage</b>  | -20°C, pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol |

### Product overview

|                     |                                      |
|---------------------|--------------------------------------|
| <b>Description</b>  | Anti-PYM1 rabbit polyclonal antibody |
| <b>Applications</b> | ELISA, IHC                           |
| <b>Immunogen</b>    | Synthetic peptide of human PYM1      |
| <b>Reactivity</b>   | Human, Mouse                         |
| <b>Content</b>      | 0.2 mg/ml                            |
| <b>Host species</b> | Rabbit                               |
| <b>Ig class</b>     | Immunogen-specific rabbit IgG        |
| <b>Purification</b> | Antigen affinity purification        |

### Target information

|                  |  |
|------------------|--|
| <b>Symbol</b>    | PYM1   |
| <b>Full name</b> | PYM homolog 1, exon junction complex associated factor |
| <b>Synonyms</b>  | PYM; WIBG  |
| <b>Swissprot</b> | Q9BRP8   |

### Target Background

Key regulator of the exon junction complex (EJC), a multiprotein complex that associates immediately upstream of the exon-exon junction on mRNAs and serves as a positional landmarks for the intron exon structure of genes and directs post-transcriptional processes in the cytoplasm such as mRNA export, nonsense-mediated mRNA decay (NMD) or translation. Acts as a EJC disassembly factor, allowing translation-dependent EJC removal and recycling by disrupting mature EJC from spliced mRNAs. Its association with the 40S ribosomal subunit probably prevents a translation-independent disassembly of the EJC from spliced mRNAs, by restricting its activity to mRNAs that have been translated. Interferes with NMD and enhances translation of spliced mRNAs, probably by antagonizing EJC functions. May bind RNA; the relevance of RNA-binding remains unclear in vivo, RNA-binding was detected by PubMed:14968132, while PubMed:19410547 did not detect RNA-binding activity independently of the EJC.

订购热线: 4008-898-798

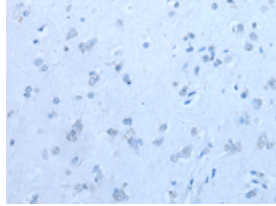
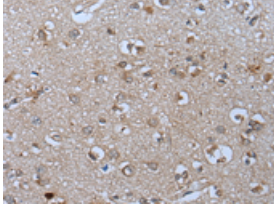
#### Applications

##### Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human brain

Recommended dilution: 10-50



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml163193(PYM1 Antibody) at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: ×200)

##### ELISA

Recommended dilution: 5000-10000

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