

PCID1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59113**Specification**

PCID1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q7L2H7
Reactivity	Rat, Pig, Cow
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42503

PCID1 Polyclonal Antibody - Additional Information**Gene ID** 10480**Other Names**

Eukaryotic translation initiation factor 3 subunit M
{ECO:0000255|HAMAP-Rule:MF_03012}, eIF3m
{ECO:0000255|HAMAP-Rule:MF_03012}, Fetal lung protein B5, hFL-B5, PCI domain-containing protein 1, EIF3M
{ECO:0000255|HAMAP-Rule:MF_03012}, HFLB5, PCID1

Format

0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PCID1 Polyclonal Antibody - Protein Information**Name** EIF3M

{ECO:0000255|HAMAP-Rule:MF_03012}

Synonyms HFLB5, PCID1**Function**

Component of the eukaryotic translation initiation factor 3 (eIF-3) complex, which is required for several steps in the initiation of protein synthesis (PubMed:17403899, PubMed:25849773, PubMed:27462815). The eIF-3 complex associates with the 40S ribosome and facilitates the recruitment of eIF-1, eIF-1A, eIF-2:GTP:methionyl- tRNAⁱ and eIF-5 to form the 43S pre-initiation complex (43S PIC). The eIF-3 complex stimulates mRNA recruitment to the 43S PIC and scanning of the mRNA for AUG recognition. The eIF-3 complex is also required for disassembly and recycling of post-termination ribosomal complexes and subsequently prevents premature joining of the 40S and 60S ribosomal subunits prior to initiation (PubMed:17403899). The eIF-3 complex specifically targets and initiates translation of a subset of mRNAs involved in cell proliferation, including cell cycling, differentiation and apoptosis, and uses different modes of RNA stem-loop binding to exert either translational activation or repression (PubMed:25849773).

Cellular Location

Cytoplasm
{ECO:0000255|HAMAP-Rule:MF_03012}.

Tissue Location

Broadly expressed..

PCID1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)