

# **PCID1** Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP59113

# **Specification**

## **PCID1 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, E

Primary Accession <u>O7L2H7</u>

Reactivity Rat, Pig, Bovine

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

# **Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br \><span class
="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class
="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class
="dilution\_IF">IF~~1:50~200</span><br \><span class ="dilution\_E">E~~N/A</span>

### **Format**

0.01M TBS(pH7.4), 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}

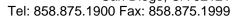
Synonyms HFLB5, PCID1

### **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:<a

href="http://www.uniprot.org/citations/17403899" target="\_blank">17403899</a>, PubMed:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>, PubMed:<a href="http://www.uniprot.org/citations/27462815" target="\_blank">27462815</a>). 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: <a href="http://www.uniprot.org/citations/17403899" target=" blank">17403899</a>). 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:<a href="http://www.uniprot.org/citations/25849773" target="\_blank">25849773</a>).

**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
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

**PCID1 Polyclonal Antibody - Images**