

**Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1132a

**Specification**

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**Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">Q7L2H7</a>
Other Accession	<a href="#">NP_006351</a> , <a href="#">10480</a> , <a href="#">98221 (mouse)</a> , <a href="#">295975 (rat)</a>
Reactivity	Human
Predicted	Mouse, Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	42503

**Goat Anti-B5 Receptor / PCID1 / EIF3M 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**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-B5 Receptor / PCID1 / EIF3M 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- tRNA<sup>i</sup> 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..

### Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody - Protocols

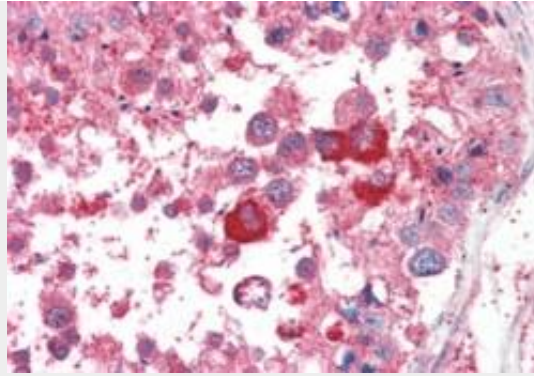
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody - Images



AF1132a (0.1 µg/ml) staining of A549 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF1132a (5 µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

### **Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody - Background**

HFLB5 encodes a broadly expressed protein containing putative membrane fusion domains that acts as a receptor or coreceptor for entry of herpes simplex virus (HSV) (Perez et al., 2005 [PubMed 15919898]).

### **Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody - References**

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614.

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. *Cell*, 2009 Jul 23. PMID 19615732.

Genome-wide silencing in *Drosophila* captures conserved apoptotic effectors. Chew SK, et al. *Nature*, 2009 Jul 2. PMID 19483676.

Genome-wide association scan of quantitative traits for attention deficit hyperactivity disorder identifies novel associations and confirms candidate gene associations. Lasky-Su J, et al. *Am J Med Genet B Neuropsychiatr Genet*, 2008 Dec 5. PMID 18821565.

Mass spectrometry reveals modularity and a complete subunit interaction map of the eukaryotic translation factor eIF3. Zhou M, et al. *Proc Natl Acad Sci U S A*, 2008 Nov 25. PMID 18599441.