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# Goat Anti-B5 Receptor / PCID1 / EIF3M Antibody

**Peptide-affinity purified goat antibody**
**Catalog # AF1132a**

## Specification

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

| | |
|---|---|
| Application | **WB, IHC** |
| Primary Accession | Q7L2H7 |
| Other Accession | NP_006351, 10480, 98221 (mouse), 295975 (rat) |
| Reactivity | **Human** |
| Predicted | **Mouse, Rat, Dog, Cow** |
| 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- 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..

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

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

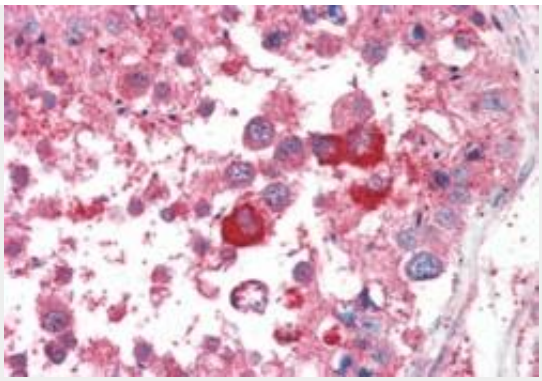
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## 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.

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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.