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Datasheet for ABIN5008656  
**anti-PEG10 antibody (AA 301-400) (AbBy Fluor® 750)**

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | PEG10  |
| Binding Specificity: | AA 301-400   |
| Reactivity:          | Human, Mouse   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This PEG10 antibody is conjugated to AbBy Fluor® 750   |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | KLH conjugated synthetic peptide derived from human PEG10 |
| Isotype:              | IgG   |
| Cross-Reactivity:     | Human, Mouse  |
| Predicted Reactivity: | Rat,Dog,Cow,Pig   |
| Purification:         | Purified by Protein A.                                    |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | PEG10                                    |
| Alternative Name: | PEG10 ( <a href="#">PEG10 Products</a> ) |

## Target Details

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**Background:** Synonyms: Paternally expressed gene 10, MyEF 3, AA407948, Edr, Embryonal carcinoma differentiation regulated, HB 1, HB1, KIAA1051, Mar2, Mart2, MEF3 like 1, MEF3L, MEF3L1, Paternally expressed 10, Paternally expressed gene 10 ORF1, PEG10 protein, Putative uncharacterized protein PEG10, Retrotransposon gag domain containing 3, RGAG3, PEG10\_HUMAN, Retrotransposon-derived protein PEG10, Embryonal carcinoma differentiation-regulated protein, Mammalian retrotransposon-derived protein 2, Myelin expression factor 3-like protein 1, MEF3-like protein 1, Paternally expressed gene 10 protein, Retrotransposon gag domain-containing protein 3, Retrotransposon-derived gag-like polyprotein, Ty3/Gypsy-like protein, EDR.

**Background:** This is a paternally expressed imprinted gene that encodes transcripts containing two overlapping open reading frames (ORFs), RF1 and RF1/RF2, as well as retroviral-like slippage and pseudoknot elements, which can induce a -1 nucleotide frame-shift. ORF1 encodes a shorter isoform with a CCHC-type zinc finger motif containing a sequence characteristic of gag proteins of most retroviruses and some retrotransposons. The longer isoform is the result of -1 translational frame-shifting leading to translation of a gag/pol-like protein combining RF1 and RF2. It contains the active-site consensus sequence of the protease domain of pol proteins. Additional isoforms resulting from alternatively spliced transcript variants, as well as from use of upstream non-AUG (CUG) start codon, have been reported for this gene. Increased expression of this gene is associated with hepatocellular carcinomas. [provided by RefSeq, May 2010].

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**Gene ID:** 23089

## Application Details

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**Application Notes:** IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** 1 µg/µL

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**Buffer:** Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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## Handling

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|                    |  |
|--------------------|--|
| Preservative:      | ProClin  |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C   |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months  |