# PDF Rabbit pAb

**货号: B17186**

## 产品信息

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|---|---|
| 反应 | Human,Mouse,Rat |
| 宿主 | Rabbit |
| 克隆性 | Polyclonal |
| 预测反应 | |
| 应用 | WB |
| 推荐浓度 | **WB:** 1:500 - 1:2000 |
| 理论分子量 | 27kDa |
| 实测分子量 | 20kDa |
| 形式 | Liquid |
| 保存条件 | Store at -20℃. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3. |
| 偶联物 | Unconjugated |
| 阳性对照 | MCF7,SW620,A-549,HepG2,K-562,Mouse heart,Rat heart |
| 细胞定位 | Mitochondrion |
| 纯化 | Affinity purification |

## 抗原信息

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| 抗原信息 | Recombinant fusion protein containing a sequence corresponding to amino acids 40-243 of human PDF ( NP_071736.1). |
| 序列 | EGPALRRSYWRHLRRLVLGPPEPPFSHVCQVGDPVLRGVAAPVERAQLGGPELQRLTQRLVQVMRRRRCVGLSAPQLGV PRQVLALELPEALCRECPPRQRALRQMEPFPLRVFVNPSLRVLDSRLVTFPEGCESVAGFLACVPRFQAVQISGLDPNGEQV VWQASGWAARIIQHEMDHLQGCLFIDKMDSRTFTNVYWMKVND |

## 靶点信息

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| 研究背景 | Protein synthesis proceeds after formylation of methionine by methionyl-tRNA formyl transferase (FMT) and transfer of the charged initiator f-met tRNA to the ribosome. In eubacteria and eukaryotic organelles the product of this gene, peptide deformylase (PDF), removes the formyl group from the initiating methionine of nascent peptides. In eubacteria, deformylation of nascent peptides is required for subsequent cleavage of initiating methionines by methionine aminopeptidase. The discovery that a natural inhibitor of PDF, actinonin, acts as an antimicrobial agent in some bacteria has spurred intensive research into the design of bacterial-specific PDF inhibitors. In human cells, only mitochondrial proteins have N-formylation of initiating methionines. Protein inhibitors of PDF or siRNAs of PDF block the growth of cancer cell lines but have no effect on normal cell growth. In humans, PDF function may therefore be restricted to rapidly growing cells. |
| 基因**ID** | 64146 |
| 基因名 | PDF |
| **Swiss** | Q9HBH1 |
| 别名 | PDF |

## 产品验证

## 实验步骤

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