

DNAxPAb

Hard-to-Find
Antibody

PDF DNAxPab

Catalog # H00064146-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human PDF DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MARLWGALSLRPLWAAVPWGGAAAVGVRACSSSTAAPDGVGPALRRSYWRHLRRLVLGPPEP PFSHVCQVGDPVLRGVAAPVERAQLGGPELQRLTQRLVQVMRRRCVGLSAPQLGVPRQVLAL ELPEALCRECPPRQRALRQMEPFPLRVFVNPSLRVLD SRLVTFPEGCESVAGFLACVPRFQAV QISGLDPNGEQVWQASGWAARIQHEMDHLQGCLFIDKMDSRTFTNVYWMKVND
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — PDF

Entrez GeneID [64146](#)

GeneBank Accession# [BC019912.1](#)

Protein Accession# [AAH19912.1](#)

Gene Name PDF

Gene Alias -

Gene Description peptide deformylase (mitochondrial)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations peptide deformylase|peptide deformylase-like protein

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)