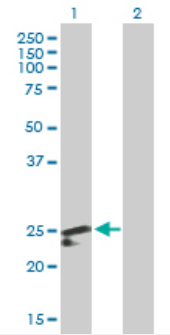
MaxPab®

PDF purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00064146-B01P Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PDF expression in transfected 293T cell line (H00064146-T02) by PDF MaxPab polyclonal antibody.

Lane 1: PDF transfected lysate(26.73 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PDF protein.
Immunogen	PDF (AAH19912.1, 1 a.a. ~ 243 a.a) full-length human protein.
Sequence	MARLWGALSLRPLWAAVPWGGAAAVGVRACSSTAAPDGVEGPALRRSYWRHLRRLVLGPPEP PFSHVCQVGDPVLRGVAAPVERAQLGGPELQRLTQRLVQVMRRRRCVGLSAPQLGVPRQVLAL ELPEALCRECPPRQRALRQMEPFPLRVFVNPSLRVLDSRLVTFPEGCESVAGFLACVPRFQAV QISGLDPNGEQVVWQASGWAARIIQHEMDHLQGCLFIDKMDSRTFTNVYWMKVND
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (77); Rat (73)
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

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  Protocol Download

Gene Info — PDF

Entrez GeneID	64146
GeneBank Accession#	BC019912
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 eukaryoti c 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 r equired for subsequent cleavage of initiating methionines by methionine aminopeptidase. The dis covery that a natural inhibitor of PDF, actinonin, acts as an antimicrobial agent in some bacteria h as 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