

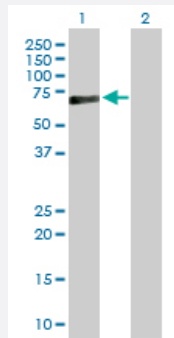
MaxPab®

PRF1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005551-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PRF1 expression in transfected 293T cell line ([H00005551-T02](#)) by PRF1 MaxPab polyclonal antibody.

Lane 1: PRF1 transfected lysate (61.40 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PRF1 protein.

Immunogen

PRF1 (NP_005032.2, 1 a.a. ~ 555 a.a) full-length human protein.

Sequence

MAARLLLLGILLLLPLVPAPCHTAARSECKRSHKFVPGAWLAGEGVDVTSLLRRSGSFPVDTQR
FLRPDGTCTLCENALQEGTLQRLPLALTNWRAQSGCQRHVTRAKVSSTEAVARDAARSIRNDW
KVGLDVTPKPTSNVHVS VAGSHSQAANFAAQKTHQDQYSFSTDTVECRFYSFHVHTPPLHPDF
KRALGDLPHHFNASTQPAYLRLISNYGTHFIRAVELGGRISALTALRTCELALEGLTDNEVEDCLTV
EAQVNIGIHGSISAEAKACEEKKKKHKMTASFHQTYRERHSEVVGGHHTSINDLLFGIQAGPEQYS
AWVNSLPGSPGLVDYTLPLHVLLDSQDPRREALRRALSQYLTDARWRDCSRPCPPGRQKSP
RDPCQCVCCHGSAVTTQDCCPRQRGLAQLEVTFIQAWGLWGDWFTATDAYVKLFFGGQELRTST
VWDNNNPWISVRLDFGDVLLATGGPLRLQVWDQDSGRDDLLGTCDQAPKSGSHEVRCNLNH
GHLKFRYHARCLPHLGGGTCLDYVPQMLLGEPPGNRSGAVW

Host

Rabbit

Reactivity

Human

Interspecies Antigen Sequence

Mouse (69); Rat (69)

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.

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[Protocol Download](#)

Gene Info — PRF1

Entrez GeneID[5551](#)**GeneBank Accession#**[NM_005041](#)**Protein Accession#**[NP_005032.2](#)**Gene Name**

PRF1

Gene Alias

FLH2, HPLH2, MGC65093, P1, PFN1, PFP

Gene Description

perforin 1 (pore forming protein)

Omim ID[170280](#) [603553](#) [605027](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene has structural and functional similarities to complement component 9 (C9). Like C9, this protein creates transmembrane tubules and is capable of lysing non-specifically a variety of target cells. This protein is one of the main cytolytic proteins of cytolytic granules, and it is known to be a key effector molecule for T-cell- and natural killer-cell-mediated cytotoxicity. Defects in this gene cause familial hemophagocytic lymphohistiocytosis type 2 (HPLH2), a rare and lethal autosomal recessive disorder of early childhood. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

OTTHUMP00000019759|cytolysin|lymphocyte pore forming protein|perforin 1

Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Graft-versus-host disease](#)
- [Natural killer cell mediated cytotoxicity](#)
- [Type I diabetes mellitus](#)

Disease

- [Alzheimer Disease](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Bronchiolitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Epstein-Barr Virus Infections](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [HTLV-I Infections](#)
- [Infant](#)
- [Leukemia](#)
- [Lymphohistiocytosis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Macrophage Activation Syndrome](#)
- [Multiple Sclerosis](#)
- [Respiratory Syncytial Virus Infections](#)