

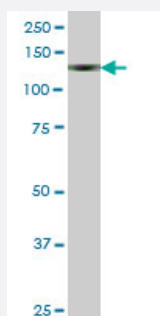
MaxPab®

ENPP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005167-B01P

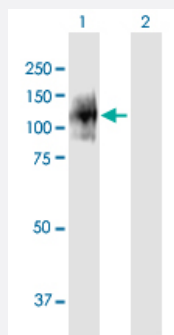
Size 50 ug

Applications



Western Blot (Tissue lysate)

ENPP1 MaxPab polyclonal antibody. Western Blot analysis of ENPP1 expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of ENPP1 expression in transfected 293T cell line ([H00005167-T01](#)) by ENPP1 MaxPab polyclonal antibody.

Lane 1: ENPP1 transfected lysate(96.03 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ENPP1 protein.

Immunogen

ENPP1 (NP_006199.1, 1 a.a. ~ 873 a.a) full-length human protein.

Sequence

MDVGEEPLEKAARARTAKDPNTYKVLVLVSVCLTTLGCI FGLKPSCAKEVKSCKGRCFERTF
GNCRCDAACVELGNCCLDYQETCIEPEHMTCKNKFRCGEKRLTRSLCACSDDCCKDKGDCCINYS
SVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRAEYLHTWGGLLPVISKLKKCGTYTK
NMRPVYPTKTFPNHYSVTGLYPESHGIIDNKMYDPKMNASFSLKSKEKFNPEWYKGEPWVTAKY
QGLKSGTFFWPGSDVEINGIFPDYKMYNGSVPFEEILAVLQWLQLPKDERPHFYTLYLEEPDSS
GHSYGPVSSEVIKALQRVDGMVGMMDGLKELNLHRCNLILISDHGMEQGSCKKYLYLNKYLGDV
KNIKVIYGPAARLRPSDVPDKYYSFNYEGIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIEPLT
FYLDPQWQLALNPSEKRYCGSGFHGSDNVFSNMQALFVGYPGFKGIEADTFENIEVYNLMCD
LLNLTPAPNNGTHGSLNHLLKNPVYTPKHPKEVHPLVQCPFTRNPRDNLGCSCNPSILPIEDFQTQ
FNLTVAAEEKIHKETLPYGRPRVLQKENTICLLSQHQFMSGYSQDILMPLWTSYTVDRNDSFSTEDF
SNCLYQDFRIPLSPVHKCSFYKNNTKVSYGFLSPPQLNKNSSGIYSEALLTTNIVPMYQSFQVIWRY
FHDLLRKYAEERNGVNVVSGPVDFDFYDGRCDLENLRQKRRVIRNQEILIPTHFFMLTSCKDTS
QTPLHCENLDTLAFILPHRTDNSESCVHGKHDSSWVEELMLHRARITDVEHITGLSFYQQRKEPV
SDILKLKTHLPTFSQED

Host

Mouse

Reactivity

Human

Interspecies Antigen
Sequence

Mouse (81); Rat (80)

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 (Tissue lysate)

ENPP1 MaxPab polyclonal antibody. Western Blot analysis of ENPP1 expression in human kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ENPP1 expression in transfected 293T cell line ([H00005167-T01](#)) by ENPP1 MaxPab polyclonal antibody.

Lane 1: ENPP1 transfected lysate(96.03 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ENPP1

Entrez GeneID	5167
GeneBank Accession#	NM_006208
Protein Accession#	NP_006199.1
Gene Name	ENPP1
Gene Alias	M6S1, NPP1, NPPS, PC-1, PCA1, PDNP1
Gene Description	ectonucleotide pyrophosphatase/phosphodiesterase 1
Omim ID	125853 173335 208000 601665 602475
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (ENPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester bonds of nucleotides and nucleotide sugars and pyrophosphate bonds of nucleotides and nucleotide sugars. This protein may function to hydrolyze nucleoside 5' triphosphates to their corresponding monophosphates and may also hydrolyze diadenosine polyphosphates. Mutations in this gene have been associated with 'idiopathic' infantile arterial calcification, ossification of the posterior longitudinal ligament of the spine (OPLL), and insulin resistance. [provided by RefSeq]
Other Designations	Ly-41 antigen OTTHUMP00000043194 alkaline phosphodiesterase 1 membrane component, chromosome 6, surface marker 1 phosphodiesterase I/nucleotide pyrophosphatase 1 plasma-cell membrane glycoprotein 1

Pathway

- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)
- [Pantothenate and CoA biosynthesis](#)
- [Purine metabolism](#)
- [Riboflavin metabolism](#)
- [Starch and sucrose metabolism](#)

Disease

- [Albuminuria](#)

- [Alzheimer disease](#)
- [Aortic Diseases](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Body Weight](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Chondrocalcinosis](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Hepatitis C](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)

- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
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- [Myocardial Ischemia](#)
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- [Obesity](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
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- [Peripheral Vascular Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Proteinuria](#)
- [Psychotic Disorders](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Urinary Bladder Neoplasms](#)
- [Viremia](#)
- [Werner syndrome](#)