

DNAxPAb

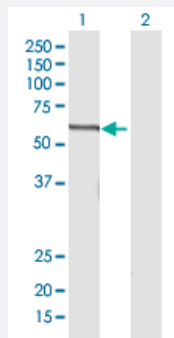
Hard-to-Find
Antibody

NFS1 DNAxPab

Catalog # H00009054-W01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of NFS1 expression in transfected 293T cell line by NFS1 DNAxPab polyclonal antibody.

Lane 1: NFS1 transfected lysate(71.32 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human NFS1 DNA using DNAx™ Immune technology.

Technology

[DNAx™ Immune](#)

Immunogen

NFS1 (NP_066923.3, 1 a.a. ~ 457 a.a) full-length human DNA

Sequence

MLLRAAWRRAAVAVTAAPGPKPAAPTRGLRLRVGDRAPQSAVPADTAAAEVGPVLRPLYMDV
QATTPLDPRVLDAMLPYLINYYGNPHSRTHAYGWESEAAMERARQQVASLIGADPREIIFTSGATE
SNNIAIKGVARFYRSRKKHLITTQTEHKCVLDSCRSLEAEGFQVYLPVQKSGIIDLKELEAAIQPDT
SLVSVMTVNNEIGVKQPIAEIGRICSSRKVYFHTDAAQAVGKIPLDVNDMKIDLMSISGHKIYGPKEV
GAIYRRRPRVRVEALQSGGGQERGMRSQVPTPLVVGLGAACEVAQQEMEYDHKRISKLSERLI
QNIMKSLPDVVMNGDPKHHPGICNLSFAYVEGESLLMALKDVALSSGSACTSASLEPSYVLRAL
GTDEDLAHSSIRFGIGRFTTEEEVDYTVKEKCIQHVKRLREMSPLWEMVQDGDILKSIKWTQH

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.

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[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — NFS1

Entrez GeneID[9054](#)**GeneBank Accession#**[NM_021100.3](#)**Protein Accession#**[NP_066923.3](#)**Gene Name**

NFS1

Gene Alias

HUSY-08, lscS, NIFS

Gene Description

NFS1 nitrogen fixation 1 homolog (S. cerevisiae)

Omim ID[603485](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Iron-sulfur clusters are required for the function of many cellular enzymes. The protein encoded by this gene supplies inorganic sulfur to these clusters by removing the sulfur from cysteine, creating alanine in the process. This gene uses alternate in-frame translation initiation sites to generate mitochondrial forms and cytoplasmic/nuclear forms. Selection of the alternative initiation sites is determined by the cytosolic pH. The encoded protein belongs to the class-V family of pyridoxal phosphate-dependent aminotransferases. [provided by RefSeq]

Other Designations

NFS1 nitrogen fixation 1|OTTHUMP00000030799|cysteine desulfurase|nitrogen fixation 1 (S. cerevisiae, homolog)|nitrogen-fixing bacteria S-like protein

Pathway

- [Thiamine metabolism](#)