

MaxPab®

NOX3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00050508-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human NOX3 protein.
Immunogen	NOX3 (AAI60172.1, 1 a.a. ~ 568 a.a) full-length human protein.
Sequence	MMGCWILNEGLSTILVLSWLGINFYLFIDTFYWYEEEEESFHYTRVILGSTLAWARASALCLNFCMLI LIPVSRNLISFIRGTSICCRGPWRRQLDKNLRFHKLVAYGIAVNATIHVAHFFNLERYHWSQSEEAQ GLLAALSKLGNTPNESYLNVPRTFPTNTTTELLRTIAGVTGLVISLALVLIMTSSTEFIRQASYELFWY THHVFIFFLSLAIHGTGRVIRGQTQDSLHLHNITFCRDYAEWQTVAQCPVPQFSGKEPSAWKWI LGPVVLYACERIIIRFWRFQQEVVITKVVSHPSGVLELHMKKRGFKMAPGQYILVQCPAISSLEWHP FTLSAPQEDFFSVHIRAAGDWTAALEAFGAEGQALQEPWSLPRLAVDGPFGTALTDFVHYPV CVCVAAGIGVTPFAALLKSMWYKCSEAQTPLKLSKVYFYWICRDARAFEWFADLLLSLETRMSEQ GKTHFLSYHIFLTGWDENQALHIALHWDENTDVITGLKQKTFYGRPNWNNEFKQIAYNHPSSSIGVF FCGPKALSRTLQKMCHLYSSADPRGVHFYFNKESF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (81)
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](#)

Gene Info — NOX3

Entrez GeneID [50508](#)

GeneBank Accession# [BC160172.1](#)

Protein Accession# [AA160172.1](#)

Gene Name NOX3

Gene Alias GP91-3

Gene Description NADPH oxidase 3

Omim ID [607105](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the NOX family of NADPH oxidases. These enzymes have the capacity to generate superoxide and other reactive oxygen species (ROS) and transport electrons across the plasma membrane. The ROS generated by family members have been implicated in numerous biological functions including host defense, posttranslational processing of proteins, cellular signaling, regulation of gene expression, and cell differentiation. The protein encoded by this gene is expressed predominantly in the inner ear and is involved in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity

Other Designations NADPH oxidase catalytic subunit-like 3|OTTHUMP00000017475

Pathway

- [Leukocyte transendothelial migration](#)

Disease

- [Asthma](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)

- [Hypersensitivity](#)