



Human NOX3 peptide (DAG-P0848)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.[provided by RefSeq, May 2009]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	NOX3 NADPH oxidase 3 [Homo sapiens (human)]
Official Symbol	NOX3
Synonyms	NOX3; NADPH oxidase 3; MOX-2; GP91-3; gp91phox homolog 3; mitogenic oxidase 2; NADPH oxidase catalytic subunit-like 3;
Entrez Gene ID	50508

mRNA Refseq	NM_015718.2
Protein Refseq	NP_056533.1
UniProt ID	Q9HBY0
Chromosome Location	6q25.3
Pathway	HIF-1 signaling pathway, organism-specific biosystem; Leukocyte transendothelial migration, organism-specific biosystem; Leukocyte transendothelial migration, conserved biosystem; Osteoclast differentiation, organism-specific biosystem; Osteoclast differentiation, conserved biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem;
Function	superoxide-generating NADPH oxidase activity;