

# NADH-cytochrome b5 reductase 3 Polyclonal Conjugated Antibody

Catalog No: #C42369

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #C42369-AF350 100ul #C42369-AF405 100ul #C42369-AF488 100ul

#C42369-AF555 100ul #C42369-AF594 100ul #C42369-AF647 100ul

#C42369-AF680 100ul #C42369-AF750 100ul #C42369-Biotin 100ul

## Description

Product Name	NADH-cytochrome b5 reductase 3 Polyclonal Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total NADH-cytochrome b5 reductase 3 polyclonal antibody.
Immunogen Description	Recombinant human NADH-cytochrome b5 reductase 3 protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Diaphorase-1, CYB5R3, DIA1
Accession No.	Swiss-Prot#:P00387
Uniprot	P00387
GeneID	1727;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	33
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

## Background

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DIAPH1 binds to GTP-bound form of Rho and to profilin. Acts in a Rho-dependent manner to recruit profilin to the membrane, where it promotes actin polymerization. It is required for cytokinesis, stress fiber formation, and transcriptional activation of the serum response factor. DFR proteins couple Rho and Src tyrosine kinase during signaling and the regulation of actin dynamics (By similarity). In hearing it may play a role in the regulation of actin polymerization in hair cells.

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Note: This product is for in vitro research use only