NADH-cytochrome b5 reductase 3 Polyclonal Antibody

Catalog No: #42369

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Description

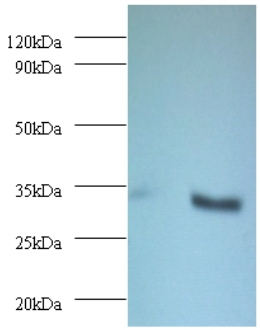
Product Name	NADH-cytochrome b5 reductase 3 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total NADH-cytochrome b5 reductase 3 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human NADH-cytochrome b5 reductase 3 protein
Target Name	NADH-cytochrome b5 reductase 3
Other Names	Diaphorase-1, CYB5R3, DIA1
Accession No.	Swiss-Prot#: P00387
Uniprot	P00387
GeneID	1727;
Calculated MW	33kd
Formulation	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Storage	Store at -20°C

Application Details

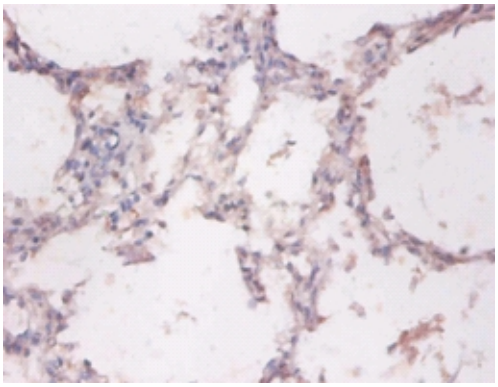
Western blotting: 1:500 - 1:1000

Immunohistochemistry: 1:20 - 1:200

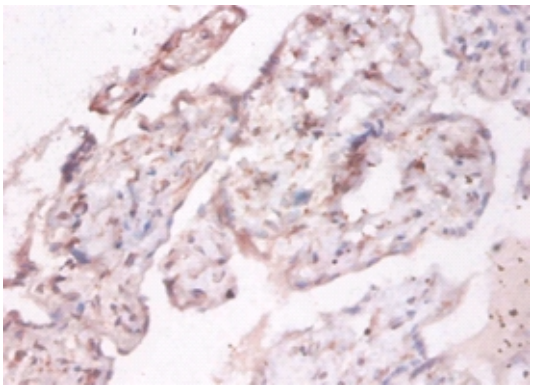
Images



All lanes : NADH-cytochrome b5 reductase 3 Antibody at 2ug/ml
Lane 1:EC109 whole cell lysate
Lane 2: 293T whole cell lysate
Secondary
Goat polyclonal to Rabbit IgG at 1/10000 dilution
Predicted band size:33kDa
Observed band size:33kDa



Immunohistochemical analysis of paraffin-embedded human lungs using #42369 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human placenta using #42369 at dilution of 1:100.

Background

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.

References

[1]"The organization and the complete nucleotide sequence of the human NADH-cytochrome b5 reductase gene."Tomatsu S., Kobayashi Y., Fukumaki Y., Yubisui T., Orii T., Sakaki Y.Gene 80:353-361(1989) [2] "A genome annotation-driven appr

Note: This product is for in vitro research use only