

Product Datasheet

DIAPH1 Antibody - BSA Free NB600-230

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NB600-230

DIAPH1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

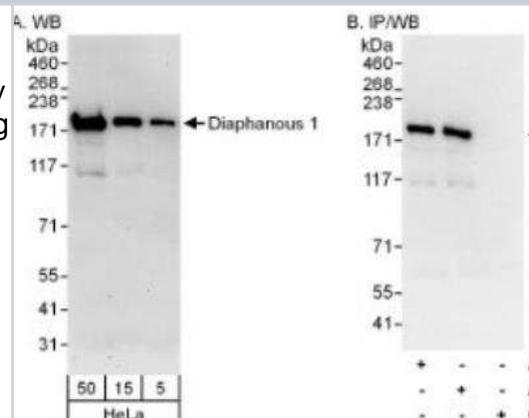
Product Description	
Host	Rabbit
Gene ID	1729
Gene Symbol	DIAPH1
Species	Human
Immunogen	Maps to a region between residues 1 and 50 of human Diaphanous Homolog 1 using the numbering given in entry NP_005210.1 (GeneID 1729).

Product Application Details	
Applications	Western Blot, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:10000-1:30000, Immunoprecipitation 2-10 ug/mg lysate, Knockdown Validated
Application Notes	By Western Blot, this antibody recognizes a band at ~205 kDa, representing Diaphanous 1. *The investigator should determine the optimal working dilution for a specific application.

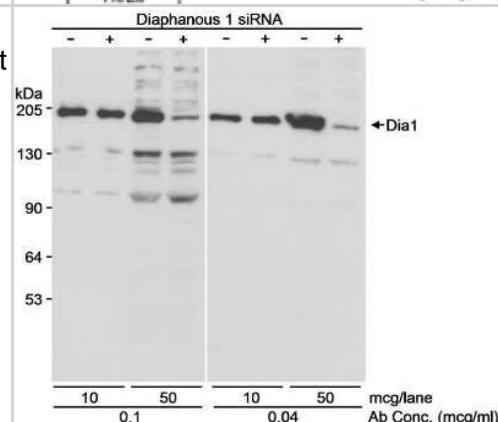


Images

Western Blot: DIAPH1 Antibody [NB600-230] - Samples: Whole cell lysate (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-Diaphanous 1 antibody used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. Diaphanous 1 was also immunoprecipitated by a prior lot of this antibody. Detection: Chemiluminescence with exposure times of 30 seconds (A) and 1 second (B).



Western Blot: DIAPH1 Antibody [NB600-230] - Whole cell lysate (10 or 50 ug/lane) from untreated or siRNA treated 293T cells. Antibody used at 0.1 and 0.04 ug/ml.



Publications

Colon-Franco JM, Gomez TS, Billadeau DD et al. Dynamic remodeling of the actin cytoskeleton by FMNL1gamma is required for structural maintenance of the Golgi complex. *J Cell Sci* 2011-09-01 [PMID: 21868368]

Ryu JR, Echarri A, Li R et al. Regulation of cell-cell adhesion by Abi/Diaphanous complexes. *Mol Cell Biol* 2009-04-01 [PMID: 19158278]

Sakata D, Taniguchi H, Yasuda S et al. Impaired T lymphocyte trafficking in mice deficient in an actin-nucleating protein, mDia1. *J Exp Med*. 2007-09-03 [PMID: 17682067]

Details:

WB (Fig 5B): primary T cells isolated from adult mouse spleen.

Minin AA, Kulik AV, Gyoeva FK et al. Regulation of mitochondria distribution by RhoA and formins. *J Cell Sci* 2006-02-01 [PMID: 16434478]



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Products Related to NB600-230

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-85246PEP	DIAPH1 Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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