

## ARG45063 anti-DIAPH3 antibody

Package: 50 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes DIAPH3
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DIAPH3
Species	Human
Immunogen	DIAPH3 synthetic peptide corresponding to amino acid residues near the C-terminus of human DIAPH3. This peptide sequence is highly conserved in rat and mouse DIAPH3, and has low homology to other formins.
Conjugation	Un-conjugated
Alternate Names	DIAPH3; Diaphanous Related Formin 3; DRF3; NSDAN; AN; Protein Diaphanous Homolog 3; FLJ34705; AUNA1; MDia2; Auditory Neuropathy, Autosomal Dominant 1; Diaphanous (Drosophila, Homolog) 3; Diaphanous Homolog 3 (Drosophila); Diaphanous-Related Formin-3; Diaphanous Homolog 3; Diap3; DIAP3; DIA2

### Application Instructions

Application table	Application	Dilution
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Antigen Affinity Purified.
Buffer	PBS, 0.05% NaN <sub>3</sub> , 50% Glycerol and 0.1 % BSA.
Stabilizer	50% Glycerol and 0.1 % BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Gene Symbol	DIAPH3
Gene Full Name	Diaphanous Related Formin 3
Background	This gene encodes a member of the diaphanous subfamily of the formin family. Members of this family are involved in actin remodeling and regulate cell movement and adhesion. Mutations in this gene are associated with autosomal dominant auditory neuropathy 1. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2012]
Function	Actin nucleation and elongation factor required for the assembly of F-actin structures, such as actin cables and stress fibers. Required for cytokinesis, stress fiber formation and transcriptional activation of the serum response factor. 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. DFR proteins couple Rho and Src tyrosine kinase during signaling and the regulation of actin dynamics. Also acts as an actin nucleation and elongation factor in the nucleus by promoting nuclear actin polymerization inside the nucleus to drive serum-dependent SRF-MRTFA activity. [Uniprot]
Calculated Mw	137 kDa
PTM	Phosphoprotein, Ubl conjugation. [Uniprot]
Cellular Localization	Cytoplasm, Nucleus. [Uniprot]