

Product datasheet for **TA319446**

DIAPH2 Rabbit Polyclonal Antibody

Product data:

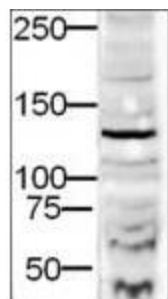
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:12,000 - 1:60,000, WB: 1:1,000 - 1:6,000, IP: 1:100
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding aa 1085-1101 of Human DIA-2.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	diaphanous related formin 2
Database Link:	NP_006720 Entrez Gene 1730 Human O60879
Synonyms:	DIA; DIA2; DRF2; POF; POF2
Note:	DIA-2 (also called DIA drome, Dia2, DIAPH2, Diaphanous 2, Diaphanous related formin 2, Diaphorase 2, DRF2, POF and POF2) may play a role in the development and normal function of the ovaries. Mutations of this gene have been linked to premature ovarian failure. Alternative splicing results in two protein isoforms. Furthermore, each splice variant undergoes additional splicing in the 3' UTR. Overall 4 splice variants have been described. DIA-2 is expressed in testis, ovary, small intestine, prostate, lung, liver, kidney and leukocytes and can be found from E16 in ovary and testis and during P6-P16 during differentiation of ovarian follicles. Isoform 1 is referred to as DIA-156, whereas isoform 2 is called DIA-12C.
Protein Families:	Druggable Genome



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Protein Pathways: Regulation of actin cytoskeleton

Product images:



WB using Anti-DIA-2 antibody shows detection of a 132-kDa band corresponding to DIA-2 in a lysate prepared from human derived HEK293 cells. Approximately 20 ug of lysate was run on a SDS-PAGE and transferred onto nitrocellulose followed by reaction with a 1:500 dilution of anti-DIA-2 antibody. Detection occurred using a 1:5,000 dilution of HRP-labeled Goat anti-Rabbit IgG for 1 hour at room temperature. A chemiluminescence system was used for signal detection (Roche) using a 1 min exposure time.