

**DIAPH2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9407c****Specification**

---

**DIAPH2 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [O60879](#)

**DIAPH2 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 1730

**Other Names**

Protein diaphanous homolog 2, Diaphanous-related formin-2, DRF2, DIAPH2, DIA

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**DIAPH2 Antibody (Center) Blocking Peptide - Protein Information**

**Name** DIAPH2

**Synonyms** DIA

**Function**

Could be involved in oogenesis. Involved in the regulation of endosome dynamics. Implicated in a novel signal transduction pathway, in which isoform 3 and CSK are sequentially activated by RHOD to regulate the motility of early endosomes through interactions with the actin cytoskeleton.

**Cellular Location**

[Isoform 3]: Cytoplasm, cytosol. Early endosome. Note=Isoform 3 is cytosolic but when coexpressed with RHOD, the 2 proteins colocalize to early endosomes

**Tissue Location**

Expressed in testis, ovary, small intestine, prostate, lung, liver, kidney and leukocytes

**DIAPH2 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

#### **DIAPH2 Antibody (Center) Blocking Peptide - Images**

#### **DIAPH2 Antibody (Center) Blocking Peptide - Background**

DIAPH2 belongs to the diaphanous subfamily of the formin homology family of proteins. This gene may play a role in the development and normal function of the ovaries. Defects in this protein have been linked to premature ovarian failure 2.

#### **DIAPH2 Antibody (Center) Blocking Peptide - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)Olsen, J.V., et al. Cell 127(3):635-648(2006)Yasuda, S., et al. Nature 428(6984):767-771(2004)Gasman, S., et al. Nat. Cell Biol. 5(3):195-204(2003)Sato, S., et al. J. Biol. Chem. 276(42):39290-39294(2001)