

**MORG1 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9575c****Specification**

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**MORG1 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q9BRX9](#)**MORG1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 84292**Other Names**

WD repeat domain-containing protein 83, Mitogen-activated protein kinase organizer 1, MAPK organizer 1, WDR83, MORG1

**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.

**MORG1 Antibody (Center) Blocking Peptide - Protein Information****Name** WDR83**Synonyms** MORG1**Function**

Molecular scaffold protein for various multimeric protein complexes. Acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation. Also involved in response to hypoxia by acting as a negative regulator of HIF1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF1A. May act by recruiting signaling complexes to a specific upstream activator (By similarity). May also be involved in pre-mRNA splicing.

**Cellular Location**

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Partially nuclear.

**MORG1 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **MORG1 Antibody (Center) Blocking Peptide - Images**

#### **MORG1 Antibody (Center) Blocking Peptide - Background**

MORG1 is a member of the WD-40 protein family. The protein is proposed to function as a molecular scaffold for various multimeric protein complexes. The protein associates with several components of the extracellular signal-regulated kinase (ERK) pathway, and promotes ERK activity in response to serum or other signals. The protein also interacts with egl nine homolog 3 (EGLN3, also known as PHD3) and regulates expression of hypoxia-inducible factor 1, and has been purified as part of the spliceosome.

#### **MORG1 Antibody (Center) Blocking Peptide - References**

Wang, D., et al. Neurosci. Lett. 455(1):46-50(2009)  
Kopfer, U., et al. J. Biol. Chem. 281(13):8645-8655(2006)  
Tomastek, T., et al. Proc. Natl. Acad. Sci. U.S.A. 101(18):6981-6986(2004)