

K0406 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP4976a**Specification**

K0406 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [O43156](#)
Other Accession [NP_055472](#)

K0406 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9675

Other Names

TELO2-interacting protein 1 homolog, Protein SMG10, TTI1, KIAA0406, SMG10

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.

K0406 Antibody (N-term) Blocking Peptide - Protein Information

Name TTI1

Synonyms KIAA0406, SMG10

Function

Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals.

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed.

K0406 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

K0406 Antibody (N-term) Blocking Peptide - Images**K0406 Antibody (N-term) Blocking Peptide - References**

Olsen, J.V., et al. Cell 127(3):635-648(2006)Deloukas, P., et al. Nature 414(6866):865-871(2001)