

KBTBD7 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18640c**Specification**

KBTBD7 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q8WVZ9](#)**KBTBD7 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 84078**Other Names**

Kelch repeat and BTB domain-containing protein 7, KBTBD7

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.

KBTBD7 Antibody (Center) Blocking Peptide - Protein Information**Name** KBTBD7 ([HGNC:25266](#))**Function**

As part of the CUL3(KBTBD6/7) E3 ubiquitin ligase complex functions as a substrate adapter for the RAC1 guanine exchange factor (GEF) TIAM1, mediating its 'Lys-48' ubiquitination and proteasomal degradation (PubMed:25684205). By controlling this ubiquitination, regulates RAC1 signal transduction and downstream biological processes including the organization of the cytoskeleton, cell migration and cell proliferation (PubMed:25684205). Ubiquitination of TIAM1 requires the membrane-associated protein GABARAP which may restrict locally the activity of the complex (PubMed:25684205).

Cellular Location

Cytoplasm. Nucleus

KBTBD7 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

KBTBD7 Antibody (Center) Blocking Peptide - Images**KBTBD7 Antibody (Center) Blocking Peptide - Background**

The function of this protein is unknown.

KBTBD7 Antibody (Center) Blocking Peptide - References

Hu, J., et al. BMB Rep 43(1):17-22(2010) Stelzl, U., et al. Cell 122(6):957-968(2005)