

TIP120A Antibody (Center) Blocking Peptide

Synthetic peptide
Catalog # BP8519c

Specification

TIP120A Antibody (Center) Blocking Peptide - Product Information

Primary Accession [Q86VP6](#)

TIP120A Antibody (Center) Blocking Peptide - Additional Information

Gene ID 55832

Other Names

Cullin-associated NEDD8-dissociated protein 1, Cullin-associated and neddylation-dissociated protein 1, TBP-interacting protein of 120 kDa A, TBP-interacting protein 120A, p120 CAND1, CAND1, KIAA0829, TIP120, TIP120A

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8519c](/products/AP8519c) was selected from the Center region of human TIP120A. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

TIP120A Antibody (Center) Blocking Peptide - Protein Information

Name CAND1

Synonyms KIAA0829, TIP120, TIP120A

Function

Key assembly factor of SCF (SKP1-CUL1-F-box protein) E3 ubiquitin ligase complexes that promotes the exchange of the substrate- recognition F-box subunit in SCF complexes, thereby playing a key role in the cellular repertoire of SCF complexes. Acts as a F-box protein exchange factor. The exchange activity of CAND1 is coupled with cycles of neddylation conjugation: in the deneddylated state, cullin-binding CAND1 binds CUL1-RBX1, increasing dissociation of the SCF complex and promoting exchange of the F-box protein. Probably plays a similar role in other cullin-RING E3 ubiquitin ligase complexes.

Cellular Location

Cytoplasm. Nucleus. Note=Predominantly cytoplasmic

TIP120A Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TIP120A Antibody (Center) Blocking Peptide - Images**TIP120A Antibody (Center) Blocking Peptide - Background**

TIP120A enhances transcription from various types of promoters. It is regulatory protein that interferes with the assembly of the SCF (SKP1-CUL1-F-box protein) ubiquitin ligase complex and thereby down-regulates ubiquitination of target proteins. It prevents neddylation of CUL1 by physically blocking access to the neddylation site and disrupts interactions between CUL1 and SKP1A and between CUL1 and F-box proteins.

TIP120A Antibody (Center) Blocking Peptide - References

Feng,S., et.al., Plant Cell 16 (7), 1870-1882 (2004)Zheng,J., et.al., Mol. Cell 10 (6), 1519-1526 (2002)