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UBE4A Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP2110a

Specification

UBE4A Antibody (N-term) Blocking Peptide - Product Information

Primary Accession	Q14139
Other Accession	NP_004779

UBE4A Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 9354

Other Names
Ubiquitin conjugation factor E4 A, 632-, UBE4A (HGNC:12499)

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2110a was selected from the N-term region of human UBE4A . 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.

UBE4A Antibody (N-term) Blocking Peptide - Protein Information

Name UBE4A (HGNC:12499)

Function
Ubiquitin-protein ligase that probably functions as an E3 ligase in conjunction with specific E1 and E2 ligases. May also function as an E4 ligase mediating the assembly of polyubiquitin chains on substrates ubiquitinated by another E3 ubiquitin ligase. Mediates 'Lys-48'-linked polyubiquitination of substrates.

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:E9Q735}.

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UBE4A Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

UBE4A Antibody (N-term) Blocking Peptide - Images

UBE4A Antibody (N-term) Blocking Peptide - Background

Ubiquitination requires a ubiquitin-activating enzyme, a ubiquitin-conjugating enzyme, and usually a substrate-specific ubiquitin-protein ligase. Multiubiquitination needs a fourth factor, to bind to the ubiquitin moieties of preformed conjugates and catalyze ubiquitin chain assembly in conjunction with the first three proteins.1 Human protein KIAA0126, with a predicted 1,073 amino acid residues, is a member of the novel protein family defined by ubiquitination conjugation factor E4.2 In yeast, E4 activity is linked to cell survival under stress conditions, indicating that eucaryotes use E4-dependent proteolysis pathways for multiple cellular functions.

UBE4A Antibody (N-term) Blocking Peptide - References

Nagase, T., et al., DNA Res. 2(4):167-174 (1995).