

WDYHV1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2809c**Specification**

WDYHV1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q96HA8](#)**WDYHV1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 55093**Other Names**

Protein N-terminal glutamine amidohydrolase, 351-, Protein NH2-terminal glutamine deamidase, N-terminal Gln amidase, Nt(Q)-amidase, WDYHV motif-containing protein 1, WDYHV1, C8orf32, NTAQ1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2809c](/products/AP2809c) was selected from the Center region of human WDYHV1. 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.

WDYHV1 Antibody (Center) Blocking Peptide - Protein Information**Name** NTAQ1 ([HGNC:25490](#))**Synonyms** C8orf32, WDYHV1**Function**

Mediates the side-chain deamidation of N-terminal glutamine residues to glutamate, an important step in N-end rule pathway of protein degradation. Conversion of the resulting N-terminal glutamine to glutamate renders the protein susceptible to arginylation, polyubiquitination and degradation as specified by the N-end rule. Does not act on substrates with internal or C-terminal glutamine and does not act on non-glutamine residues in any position. Does not deaminate acetylated N-terminal glutamine. With the exception of proline, all tested second-position residues on substrate peptides do not greatly influence the activity. In contrast, a proline at position 2, virtually abolishes deamidation of N-terminal glutamine.

Cellular Location

Cytoplasm, cytosol {ECO:0000250|UniProtKB:Q80WB5}. Nucleus
{ECO:0000250|UniProtKB:Q80WB5}

WDYHV1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

WDYHV1 Antibody (Center) Blocking Peptide - Images**WDYHV1 Antibody (Center) Blocking Peptide - References**

Lim,J., Cell 125 (4), 801-814 (2006)