

RNF103 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP16642c**Specification**

RNF103 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O00237](#)

RNF103 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 7844

Other Names

E3 ubiquitin-protein ligase RNF103, 632-, KF-1, hKF-1, RING finger protein 103, Zinc finger protein 103 homolog, Zfp-103, RNF103, ZFP103

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.

RNF103 Antibody (Center) Blocking Peptide - Protein Information

Name RNF103

Synonyms ZFP103

Function

Acts as an E2-dependent E3 ubiquitin-protein ligase, probably involved in the ER-associated protein degradation pathway.

Cellular Location

Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Highly expressed in the normal cerebellum but not in the cerebral cortex.

RNF103 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF103 Antibody (Center) Blocking Peptide - Images

RNF103 Antibody (Center) Blocking Peptide - Background

The protein encoded by this gene contains a RING-H2finger, a motif known to be involved in protein-protein and protein-DNA interactions. This gene is highly expressed in normal cerebellum, but not in the cerebral cortex. The expression of the rat counterpart in the frontal cortex and hippocampus was shown to be induced by electroconvulsive treatment (ECT) as well as chronic antidepressant treatment, suggesting that this gene may be a molecular target for ECT and antidepressants. The protein is a ubiquitin ligase that functions in the endoplasmic reticulum-associated degradation pathway. Alternative splicing of this gene results in multiple transcript variants. Read-through transcription also exists between this gene and the downstream VPS24 (vacuolar protein sorting 24 homolog) gene. [provided by RefSeq].

RNF103 Antibody (Center) Blocking Peptide - References

Scheper, J., et al. Proteins 74(1):92-103(2009) Maruyama, Y., et al. Biochem. Biophys. Res. Commun. 374(4):737-741(2008) Yang, Y., et al. Meth. Enzymol. 398, 103-112 (2005) Nishioka, G., et al. J Neural Transm 110(3):277-285(2003) Yamada, M., et al. Biochem. Biophys. Res. Commun. 278(1):150-157(2000)