

RNF19A Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP14232c**Specification**

RNF19A Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9NV58](#)**RNF19A Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 25897**Other Names**

E3 ubiquitin-protein ligase RNF19A, 632-, Double ring-finger protein, Dorfin, RING finger protein 19A, p38, RNF19A, RNF19

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.

RNF19A Antibody (Center) Blocking Peptide - Protein Information**Name** RNF19A**Synonyms** RNF19**Function**

E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates, such as SNCAIP or CASR. Specifically ubiquitinates pathogenic SOD1 variants, which leads to their proteasomal degradation and to neuronal protection.

Cellular Location

Membrane; Multi-pass membrane protein. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Note=Present in the hyaline inclusion bodies specifically found in motor neurons from amyotrophic lateral sclerosis patients. Present in the Lewy bodies specifically found in neurons from Parkinson disease patients

Tissue Location

Widely expressed, with highest levels in heart. Ubiquitously expressed in the central nervous system

RNF19A Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RNF19A Antibody (Center) Blocking Peptide - Images

RNF19A Antibody (Center) Blocking Peptide - Background

The protein encoded this gene contains two RING-finger motifs and an IBR (in between RING fingers) motif. This protein is an E3 ubiquitin ligase that is localized in Lewy bodies (LBs), a characteristic neuronal inclusion in Parkinson's disease (PD) brains. This protein interacts with UBE2L3/UBCH7 and UBE2E2/UBCH8, but not other ubiquitin-conjugating enzymes. This protein is found to bind and ubiquitylate synphilin 1 (SNCAIP), which is an interacting protein of alpha synuclein in neurons, and a major component of LB. Alternatively spliced transcript variants encoding the same protein have been reported.

RNF19A Antibody (Center) Blocking Peptide - References

Huh, J.W., et al. Gene 424 (1-2), 63-70 (2008) ; Matsuoka, S., et al. Science 316(5828):1160-1166(2007) ; Ishigaki, S., et al. Neurobiol. Dis. 25(2):331-341(2007) ; Huang, Y., et al. J. Biol. Chem. 281(17):11610-11617(2006) ; Ishigaki, S., et al. J. Biol. Chem. 279(49):51376-51385(2004)