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# CLN5 Antibody (N-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP8914a**

## Specification

### CLN5 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O75503

### CLN5 Antibody (N-term) Blocking Peptide - Additional Information

**Gene ID** 1203

**Other Names**
Ceroid-lipofuscinosis neuronal protein 5, Protein CLN5, CLN5

**Target/Specificity**
The synthetic peptide sequence used to generate the antibody <a href=/products/AP8914a>AP8914a</a> was selected from the N-term region of human CLN5. 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.

### CLN5 Antibody (N-term) Blocking Peptide - Protein Information

**Name** CLN5

**Function**
Plays a role in influencing the retrograde trafficking of lysosomal sorting receptors SORT1 and IGF2R from the endosomes to the trans-Golgi network by controlling the recruitment of retromer complex to the endosomal membrane. Regulates the localization and activation of RAB7A which is required to recruit the retromer complex to the endosomal membrane (PubMed:<a href="http://www.uniprot.org/citations/22431521" target="_blank">22431521</a>).

**Cellular Location**
[Ceroid-lipofuscinosis neuronal protein 5, secreted form]: Lysosome

**Tissue Location**
Ubiquitous.

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## CLN5 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

## CLN5 Antibody (N-term) Blocking Peptide - Images

## CLN5 Antibody (N-term) Blocking Peptide - Background

CLN5 responsible likely is involved in the degradation of post-translationally modified proteins in lysosomes.

## CLN5 Antibody (N-term) Blocking Peptide - References

Savukoski,M., et.al., Am. J. Hum. Genet. 55 (4), 695-701 (1994) Mole,S.E., et.al., Hum. Mutat. 14 (3), 199-215 (1999)