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C1orf106 Blocking Peptide (Center)

Synthetic peptide
Catalog # BP20119c

Specification

C1orf106 Blocking Peptide (Center) - Product Information

Primary Accession	Q3KP66
Other Accession	Q7TN12, NP_060735.2

C1orf106 Blocking Peptide (Center) - Additional Information

Gene ID 55765

Other Names
Uncharacterized protein C1orf106, C1orf106

Target/Specificity
The synthetic peptide sequence is selected from aa 328-341 of HUMAN C1orf106

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.

C1orf106 Blocking Peptide (Center) - Protein Information

Name INAVA (HGNC:25599)

Synonyms C1orf106

Function
Expressed in peripheral macrophages and intestinal myeloid- derived cells, is required for optimal PRR (pattern recognition receptor)-induced signaling, cytokine secretion, and bacterial clearance. Upon stimulation of a broad range of PRRs (pattern recognition receptor) such as NOD2 or TLR2, TLR3, TLR4, TLR5, TLR7 and TLR9, associates with YWHAQ/14-3-3T, which in turn leads to the recruitment and activation of MAP kinases and NF-kappa-B signaling complexes that amplifies PRR-induced downstream signals and cytokine secretion (PubMed:28436939). In the intestine, regulates adherens junction stability by regulating the degradation of CYTH1 and CYTH2, probably acting as substrate cofactor for SCF E3 ubiquitin-protein ligase complexes. Stabilizes adherens junctions by limiting CYTH1- dependent ARF6 activation (PubMed:29420262).

Cellular Location
Nucleus. Cytoplasm. Note=Translocates to the nucleus upon NOD2 stimulation.

Tissue Location
Highly expressed in intestinal myeloid-derived cells and expressed in monocyte-derived macrophages upon induction by PRR activation.

C1orf106 Blocking Peptide (Center) - Protocols

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

- Blocking Peptides

C1orf106 Blocking Peptide (Center) - Images

C1orf106 Blocking Peptide (Center) - Background

The function of this protein is unknown.

C1orf106 Blocking Peptide (Center) - References

Barrett, J.C., et al. Nat. Genet. 41(12):1330-1334(2009)