

PELI3 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13453a**Specification**

PELI3 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q8N2H9](#)**PELI3 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 246330**Other Names**

E3 ubiquitin-protein ligase pellino homolog 3, Pellino-3, 632-, PELI3

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13453a was selected from the N-term region of PELI3. 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.

PELI3 Antibody (N-term) Blocking peptide - Protein Information**Name** PELI3 ([HGNC:30010](#))**Function**

E3 ubiquitin ligase catalyzing the covalent attachment of ubiquitin moieties onto substrate proteins (PubMed:12874243, PubMed:17675297). Involved in the TLR and IL-1 signaling pathways via interaction with the complex containing IRAK kinases and TRAF6 (PubMed:12874243). Mediates 'Lys-63'-linked polyubiquitination of IRAK1 (PubMed:12874243). Can activate AP1/JUN and ELK1 (PubMed:12874243). Acts as a regulator of innate immunity by mediating 'Lys-63'-linked polyubiquitination of RIPK2 downstream of NOD1 and NOD2, thereby transforming RIPK2 into a scaffolding protein for downstream effectors, ultimately leading to activation of the NF-kappa-B and MAP kinases signaling (By similarity). Catalyzes 'Lys-63'-linked polyubiquitination

of RIPK2 in parallel of XIAP (By similarity).

Tissue Location

Highly expressed in brain, heart and testis, and at lower level in kidney, liver, lung, placenta, small intestine, spleen and stomach. Isoform 1 is not expressed in lung

PELI3 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PELI3 Antibody (N-term) Blocking peptide - Images**PELI3 Antibody (N-term) Blocking peptide - Background**

Toll-like receptors (TLRs; see MIM 603030) and IL1R(IL1R1; MIM 147810) are part of the innate immune response aimed at mobilizing defense mechanisms in response in infection or injury. Pellino proteins, such as PELI3, are intermediate components in the signaling cascades initiated by TLRs and IL1R (Jensen and Whitehead, 2003 [PubMed 12874243]).

PELI3 Antibody (N-term) Blocking peptide - References

Xiao, H., et al. J. Biol. Chem. 283(21):14654-14664(2008) Butler, M.P., et al. J. Biol. Chem. 280(30):27759-27768(2005) Jensen, L.E., et al. J. Immunol. 171(3):1500-1506(2003)