

Sestrin-3 Antibody (Center Y335) Blocking peptide
Synthetic peptide
Catalog # BP12471c**Specification**

Sestrin-3 Antibody (Center Y335) Blocking peptide - Product InformationPrimary Accession [P58005](#)**Sestrin-3 Antibody (Center Y335) Blocking peptide - Additional Information****Gene ID** 143686**Other Names**

Sestrin-3, SESN3, SEST3

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.

Sestrin-3 Antibody (Center Y335) Blocking peptide - Protein Information**Name** SESN3 ([HGNC:23060](#))**Function**

May function as an intracellular leucine sensor that negatively regulates the TORC1 signaling pathway (PubMed:25263562). May also regulate the insulin-receptor signaling pathway through activation of TORC2 (By similarity). This metabolic regulator may also play a role in protection against oxidative and genotoxic stresses (By similarity). May prevent the accumulation of reactive oxygen species (ROS) through the alkylhydroperoxide reductase activity born by the N-terminal domain of the protein (By similarity).

Cellular Location

Cytoplasm.

Tissue Location

Widely expressed..

Sestrin-3 Antibody (Center Y335) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

Sestrin-3 Antibody (Center Y335) Blocking peptide - Images

Sestrin-3 Antibody (Center Y335) Blocking peptide - Background

Sestrins form a small family of redox enzymes which regulate accumulation of Reactive Oxygen Species. They protect cells and their DNA against oxidative damage and regulate cell growth and viability. These genes are often deregulated in cancers and their inactivation accelerates the growth of model tumors in mice.

Sestrin-3 Antibody (Center Y335) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Chen, C.C., et al. Dev. Cell 18(4):592-604(2010)Peeters, H., et al. Hum. Genet. 112 (5-6), 573-580 (2003) :