

ZNF259 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP16777b**Specification**

ZNF259 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O75312](#)**ZNF259 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 8882**Other Names**

Zinc finger protein ZPR1, Zinc finger protein 259, ZPR1, ZNF259

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.

ZNF259 Antibody (C-term) Blocking Peptide - Protein Information**Name** ZPR1**Synonyms** ZNF259**Function**

Acts as a signaling molecule that communicates proliferative growth signals from the cytoplasm to the nucleus. It is involved in the positive regulation of cell cycle progression (PubMed:29851065). Plays a role for the localization and accumulation of the survival motor neuron protein SMN1 in sub-nuclear bodies, including gems and Cajal bodies. Induces neuron differentiation and stimulates axonal growth and formation of growth cone in spinal cord motor neurons. Plays a role in the splicing of cellular pre-mRNAs. May be involved in H(2)O(2)-induced neuronal cell death.

Cellular Location

Nucleus. Nucleus, nucleolus. Nucleus, gem. Nucleus, Cajal body. Cytoplasm, perinuclear region. Cytoplasm. Cell projection, axon. Cell projection, growth cone. Note=Colocalized with SMN1 in Gemini of coiled bodies (gems), Cajal bodies, axon and growth cones of neurons (By similarity) Localized predominantly in the cytoplasm in serum-starved cells growth arrested in G0 of the mitotic cell cycle. Localized both in the nucleus and cytoplasm at the G1 phase of the mitotic cell cycle. Accumulates in the subnuclear bodies during progression into the S phase of the mitotic cell cycle. Diffusely localized throughout the cell during mitosis. Colocalized with NPAT and SMN1 in

nuclear bodies including gems (Gemini of coiled bodies) and Cajal bodies in a cell cycle-dependent manner. Translocates together with EEF1A1 from the cytoplasm to the nucleolus after treatment with mitogens. Colocalized with EGFR in the cytoplasm of quiescent cells. Translocates from the cytoplasm to the nucleus in a epidermal growth factor (EGF)-dependent manner

Tissue Location

Expressed in fibroblast; weakly expressed in fibroblast of spinal muscular atrophy (SMA) patients

ZNF259 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZNF259 Antibody (C-term) Blocking Peptide - Images**ZNF259 Antibody (C-term) Blocking Peptide - Background**

ZNF259 may be a signaling molecule that communicates mitogenic signals from the cytoplasm to the nucleus.

ZNF259 Antibody (C-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Johansen, C.T., et al. Nat. Genet. 42(8):684-687(2010)Suchindran, S., et al. PLoS Genet. 6 (4), E1000928 (2010) :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)Kathiresan, S., et al. Nat. Genet. 41(1):56-65(2009)