

Anti-ZNF259 Rabbit Monoclonal Antibody

Catalog # ABO16150

Specification

Anti-ZNF259 Rabbit Monoclonal Antibody - Product Information

Application WB, IHC **Primary Accession** 075312 Host Rabbit Isotype laG Reactivity Rat, Human, Mouse Clonality Monoclonal Format Liquid Description Anti-ZNF259 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-ZNF259 Rabbit Monoclonal Antibody - Additional Information

Gene ID 8882

Other Names Zinc finger protein ZPR1, Zinc finger protein 259, ZPR1, ZNF259

Calculated MW 51 kDa KDa

Application Details WB 1:500-1:2000
HC 1:50-1:200

Contents Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen A synthesized peptide derived from human ZNF259

Purification Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-ZNF259 Rabbit Monoclonal Antibody - 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 cycledependent 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

Anti-ZNF259 Rabbit Monoclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-ZNF259 Rabbit Monoclonal Antibody - Images





Western blot analysis of ZNF259 expression in MCF7 cell lysate.