

**Anti-ZNF259 Rabbit Monoclonal Antibody**  
Catalog # ABO16150

**Specification**

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**Anti-ZNF259 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O75312</a>
Host	Rabbit
Isotype	IgG
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<br>IHC 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:<a href="http://www.uniprot.org/citations/29851065" target="\_blank">29851065</a>). 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<sub>2</sub>O<sub>2</sub>-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 G<sub>0</sub> of the mitotic cell cycle. Localized both in the nucleus and cytoplasm at the G<sub>1</sub> 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

## Anti-ZNF259 Rabbit Monoclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-ZNF259 Rabbit Monoclonal Antibody - Images



