

**SOGA1 Antibody**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS15178****Specification**

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**SOGA1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">O94964</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 160kDa KDa             |

**SOGA1 Antibody - Additional Information****Gene ID** 140710**Other Names**

Protein SOGA1, SOGA family member 1, Suppressor of glucose by autophagy, Suppressor of glucose, autophagy-associated protein 1, N-terminal form, C-terminal 80 kDa form, 80-kDa SOGA fragment, SOGA1, C20orf117, KIAA0889, SOGA

**Reconstitution & Storage**

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

**Precautions**

SOGA1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SOGA1 Antibody - Protein Information****Name** MTCL2 ([HGNC:16111](#))**Function**

Microtubule-associated factor that enables integration of the centrosomal and Golgi-associated microtubules on the Golgi membrane, supporting directional migration. Preferentially acts on the perinuclear microtubules accumulated around the Golgi. Associates with the Golgi membrane through the N-terminal coiled-coil region and directly binds microtubules through the C-terminal domain (By similarity). Required for faithful chromosome segregation during mitosis (PubMed:<a href="http://www.uniprot.org/citations/33587225" target="\_blank">33587225</a>). Regulates autophagy by playing a role in the reduction of glucose production in an adiponectin- and insulin-dependent manner (By similarity).

**Cellular Location**

Cytoplasm, cytoskeleton. Golgi apparatus membrane {ECO:0000250|UniProtKB:E1U8D0}. Midbody  
Note=Associates with microtubules during late mitosis and interphase

**Volume**

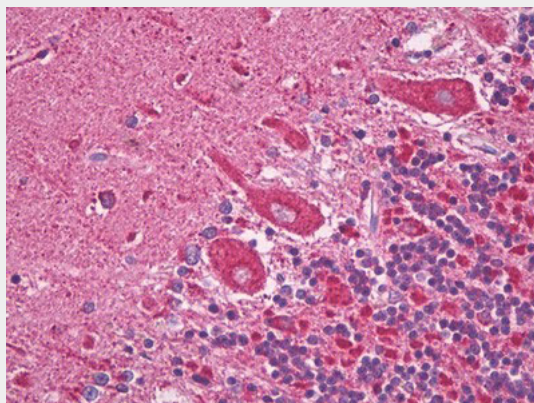
50 µl

## **SOGA1 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](#)

## **SOGA1 Antibody - Images**



Anti-SOGA1 antibody IHC of human brain, cerebellum, Purkinje.

## **SOGA1 Antibody - Background**

Regulates autophagy by playing a role in the reduction of glucose production in an adiponectin- and insulin-dependent manner.

## **SOGA1 Antibody - References**

- Nagase T., et al. DNA Res. 5:355-364(1998).  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Deloukas P., et al. Nature 414:865-871(2001).  
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).  
Cowerd R.B., et al. Am. J. Pathol. 177:1936-1945(2010).