

SON Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF3503a**Specification**

SON Antibody (N-Term) - Product Information

Application	E
Primary Accession	P18583
Other Accession	NP_115571.1 , NP_620305.1 , 6651 , 20658 (mouse), 304092 (rat)
Predicted Host	Human, Mouse, Rat, Dog
Clonality	Goat
Concentration	Polyclonal
Isotype	0.5 mg/ml
Calculated MW	IgG
	263830

SON Antibody (N-Term) - Additional Information**Gene ID** 6651**Other Names**

Protein SON, Bax antagonist selected in saccharomyces 1, BASS1, Negative regulatory element-binding protein, NRE-binding protein, Protein DBP-5, SON3, SON, C21orf50, DBP5, KIAA1019, NREBP

Dilution

E~~N/A

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

SON Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

SON Antibody (N-Term) - Protein Information**Name** SON**Synonyms** C21orf50, DBP5, KIAA1019, NREBP**Function**

RNA-binding protein that acts as a mRNA splicing cofactor by promoting efficient splicing of transcripts that possess weak splice sites. Specifically promotes splicing of many cell-cycle and DNA-repair transcripts that possess weak splice sites, such as TUBG1, KATNB1, TUBGCP2, AURKB, PCNT, AKT1, RAD23A, and FANCG. Probably acts by facilitating the interaction between Serine/arginine-rich proteins such as SRSF2 and the RNA polymerase II. Also binds to DNA; binds to the consensus DNA sequence: 5'-GA[GT]AN[CG][AG]CC-3'. May indirectly repress hepatitis B virus (HBV) core promoter activity and transcription of HBV genes and production of HBV virions. Essential for correct RNA splicing of multiple genes critical for brain development, neuronal migration and metabolism, including TUBG1, FLNA, PNKP, WDR62, PSMD3, PCK2, PFKL, IDH2, and ACY1 (PubMed:27545680).

Cellular Location

Nucleus speckle Note=Colocalizes with the pre-mRNA splicing factor SRSF2

Tissue Location

Widely expressed, with the higher expression seen in leukocyte and heart

SON Antibody (N-Term) - 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](#)

SON Antibody (N-Term) - Images**SON Antibody (N-Term) - Background**

This antibody is expected to recognize reported isoforms B (NP_115571.1) and F (NP_620305.1).

SON Antibody (N-Term) - References

Son is essential for nuclear speckle organization and cell cycle progression. Sharma A, Takata H, Shibahara K, Bubulya A, Bubulya PA, Molecular biology of the cell 2010 Feb 21 (4): 650-63. PMID: 20053686