# Rabbit anti-Human SON Polyclonal Antibody | anti-SON antibody

Anti-SON Antibody, Rabbit Polyclonal

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA259455** | **Rabbit** | **Human** | **Immunohistochemistry** |

## PRODUCT SYNONYMS

SON; Polyclonal Antibody; Anti-SON Antibody; Rabbit Polyclonal; SON Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-BASS1 Antibody; Anti-C21orf50 Antibody; Anti-DBP-5 Antibody; Anti-DBP5 Antibody; Anti-FLJ21099 Antibody; Anti-FLJ33914 Antibody; Anti-HSPC310 Antibody; Anti-HSPC312 Antibody; Anti-KIAA1019 Antibody; Anti-NREBP Antibody; Anti-SON3 Antibody; Anti-TOKIMS Antibody; anti-SON antibody

## PRODUCT SPECIFICATIONS

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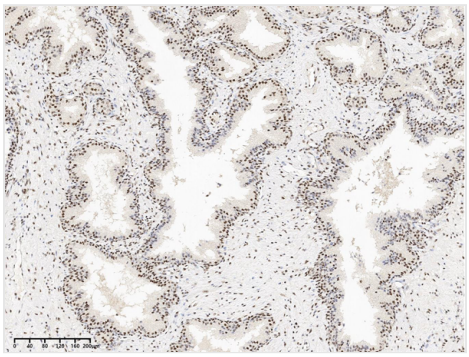
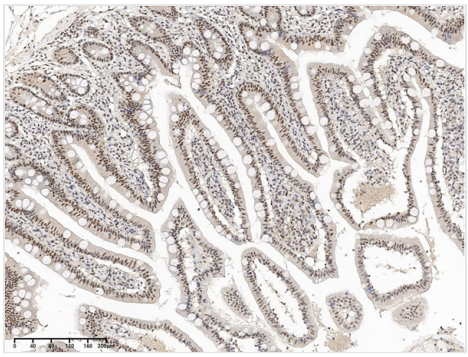
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Specificity** | Human SON |
| **Purity/Purification** | Protein A & Antigen Affinity |
| **Form/Format** | Liquid; PBS, pH7.0 with 0.03% Proclin300 |
| **Applicable Applications for anti-SON antibody** | IHC (Immunohistochemistry) |
| **Immunogen** | E coli-derived Human SON fragment |
| **Preparation** | Produced in rabbits immunized with E coli-derived Human SON fragment, and purified by antigen affinity chromatography. |
| **Preparation and Storage** | This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.<br>This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. |

## IMAGES



**IHC (Immunohiostchemistry)**
Immunochemical staining of human SON in human prostate with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.



**IHC (Immunohistochemistry)**
Immunochemical staining of human SON in human small intestine with rabbit polyclonal antibody at 1:1000 dilution, formalin-fixed paraffin embedded sections.

## ADDITIONAL INFORMATION

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|---|---|
| **Related Product Information for anti-SON antibody** | SON is a ubiquitously expressed DNA- and RNA-binding protein primarily localized to nuclear speckles. SON involves in multiple cellular processes including transcription, pre-messenger RNA (mRNA) splicing, and cell cycle regulation. SON is a key component of the spliceosomal complex and a critical mediator of constitutive and alternative splicing. During constitutive RNA splicing, SON ensures efficient intron removal from the transcripts containing suboptimal splice sites. Importantly, SON-mediated splicing is required for proper processing of selective transcripts related to cell cycle, microtubules, centrosome maintenance, and genome stability. Moreover, SON regulates alternative splicing of RNAs from the genes involved in apoptosis and epigenetic modification. In addition to the role in RNA splicing, SON has the ability to suppress transcriptional activation at certain promoter/enhancer DNA sequences. Deleterious variants in SON are associated with a severe multisystem disorder characterized by developmental delay, persistent feeding difficulties, and congenital malformations, including brain anomalies. SON plays important roles in nuclear organization and pre-mRNA splicing as well as maintaining cellular health. SON has a key role in stem cells as well as during the onset of various diseases such as cancer, influenza, and hepatitis. |
| **References** | Tokit. MJ. e. al. (2016. D. nov. truncatin. variant. i. so. caus. intellectua. disability. congenita. malformations. an. failur. t. thrive. A. . Hu. Gene. 9. (3). 720-727.L. X. e. al. (2014. Th. rol. o. so. i. splicing. development. an. disease. Wile. Interdisci. Re. RN. . (5). 637-646.Hicke. CJ. e. al. (2014. Ne. discoverie. o. ol. son. . lin. betwee. rn. splicin. an. cancer. . Cel. Bioche. 11. (2). 224-231. |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

**AAA Biotech** | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/son-antibody-immunohistochemistry-elisa/259455