



[Go to Product page](#)

Datasheet for ABIN768615
anti-SON antibody (N-Term)

2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	SON
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This SON antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	SON
Immunogen:	Peptide with sequence KSRCVSVQTDPTD, from the N Terminus of the protein sequence according to NP_115571.1, NP_620305.1.
Sequence:	KSRCVSVQTD PTD
Isotype:	IgG
Specificity:	This antibody is expected to recognize reported isoforms B (NP_115571.1) and F (NP_620305.1).
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: SON

Alternative Name: SON ([SON Products](#))

Background: SON, SON DNA binding protein, BASS1, C21orf50, DBP-5, FLJ21099, FLJ33914, KIAA1019, NREBP, SON3, Bax antagonist selected in Saccharomyces 1, NRE-binding protein, OTTHUMP00000197908, OTTHUMP00000198934, negative regulatory element-binding protein, protein

Molecular Weight: 35kDa

Gene ID: 6651, 20658, 304092

NCBI Accession: [NP_115571](#), [NP_620305](#)

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Small Intestine. Recommended concentration: 5 µg/mL.
Western Blot: Preliminary experiments gave an approx 35 kDa band in Human, Mouse and Rat Heart lysates after 0.3 µg/mL antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculate
Peptide ELISA: antibody detection limit dilution 1:32000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Minimize freezing and thawing.

Handling

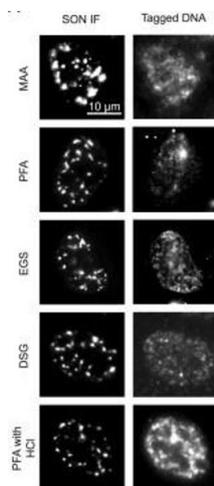
Storage: -20 °C

Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Publications

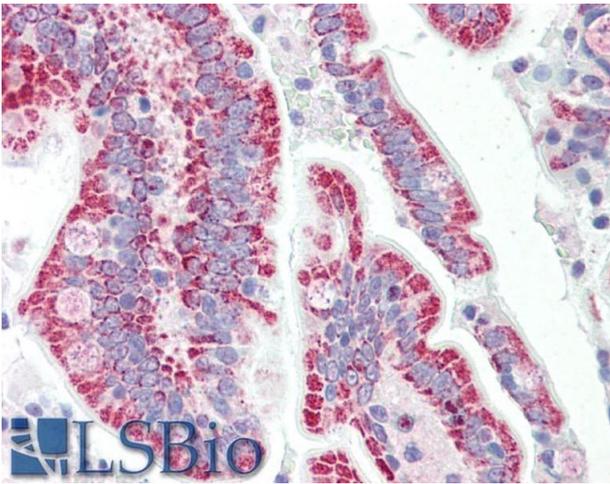
Product cited in: Lu, Ang, Zhuang: "Spatially resolved epigenomic profiling of single cells in complex tissues." in: **Cell**, Vol. 185, Issue 23, pp. 4448-4464.e17, (2022) ([PubMed](#)).

Images



Immunofluorescence

Image 1. Images comparing the SON (a marker for nuclear speckles) immunofluorescence (IF) images (left panels) in different fixation conditions (MAA, methanol/acetic acid, 1% PFA; EGS, ethylene glycol bis(succinimidyl succinate); DSG, disuccinimidyl glutarate, 1% PFA followed by 0.1 N HCl treatment) and the location of tagged DNA fragments colocalized with SON and detected by FISH (right panels). To generate tagged DNA fragments colocalized with SON, primary antibody against SON was added, followed by secondary antibody and PA-Tn5. 1% PFA with 0.1 N HCl treatment gave the best colocalization between the SON immunofluorescence and tagged DNA signals. We performed screening for fixation conditions using the nuclear speckle marker as it forms distinct puncta in the nucleus, enabling rapid screening of the in situ tagmentation conditions for fixed cells. Scale bars: 10 µm. Source: PMID36272405



Immunohistochemistry

Image 2. ABIN768615 (5 μ g/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.