

Rabbit anti-Human SBNO2 Polyclonal Antibody | anti-SBNO2 antibody

Anti-SBNO2 Antibody, Rabbit Polyclonal

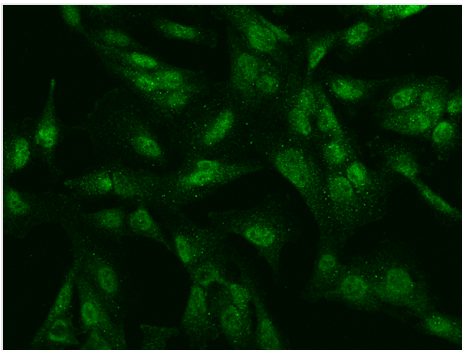
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256872	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

SBNO2; Polyclonal Antibody; Anti-SBNO2 Antibody; Rabbit Polyclonal; SBNO2 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-KIAA0963 Antibody; Anti-SNO Antibody; Anti-STNO Antibody; anti-SBNO2 antibody

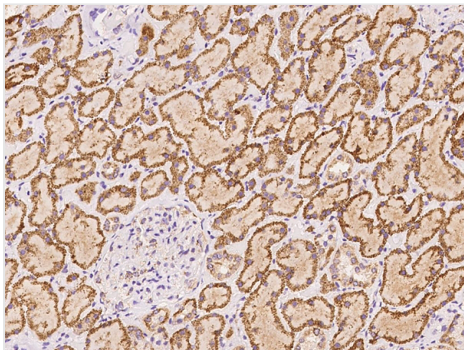
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human SBNO2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-SBNO2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human SBNO2 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human SBNO2 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 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.



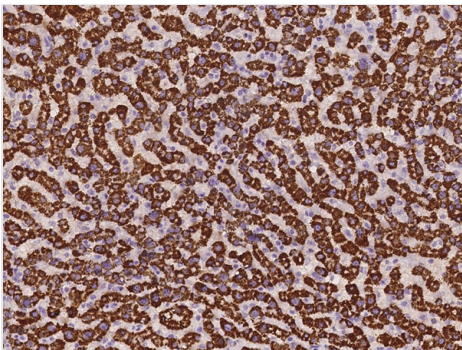
IF (Immunofluorescence)

Immunofluorescence staining of SBNO2 in U251MG cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human SBNO2 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus and Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human SBNO2 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human SBNO2 in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-SBNO2 antibody	Strawberry notch homolog 2 (Sbno2) was identified as an IL-6-stimulated gene in murine astrocytes. The SBNO2 protein is a putative DExD/H-box containing helicase and one of the two known mouse homologs of the Drosophila gene sno. Sno is involved in EGFR and Notch-related signaling and consequential cell fate determination during development. The strawberry notch family genes sbno1 and sbno2a were involved in zebrafish brain development. The mouse homolog Sbno1 is upregulated in neurons upon Reelin signaling. The Reelin pathway interacts with the Notch pathway, also linking the murine SBNO1 to Notch signaling. Both pathways may be involved in neurogenesis and neuronal migration. IL-10 stimulates the expression of the Sbno2 gene in a STAT3-dependent fashion in bone marrow derived macrophages (BMDMs). SBNO2 functions as an acute inflammatory response gene in astrocytes as well as other cells in the central nervous system (CNS).
References	Maruyama K, et al. (2013) Strawberry notch homologue 2 regulates osteoclast fusion by enhancing the expression of dc-stamp. J Exp Med 210 (10): 1947-1960.Grill M, et al. (2015) Strawberry notch homolog 2 is a novel inflammatory response factor predominantly but not exclusively expressed by astrocytes in the central nervous system. Glia 63 (10): 1738-1752.

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.