

Rabbit SNAP23 Polyclonal Antibody | anti-SNAP23 antibody

SNAP23 Antibody

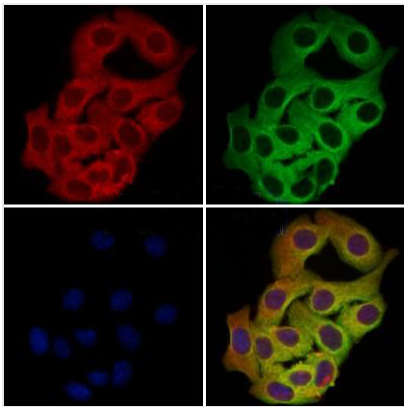
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31198	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(83%)	Western Blot, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

SNAP23; Polyclonal Antibody; SNAP23 Antibody; HsT17016; LS-B8340; SNAP 23; SNAP-23; SNAP23A; SNAP23B; SNP23_HUMAN; Synaptosomal associated protein 23; Synaptosomal associated protein 23kDa; Synaptosomal associated protein; Synaptosomal-associated protein 23; Vesicle membrane fusion protein SNAP 23; Vesicle membrane fusion protein SNAP23; Vesicle-membrane fusion protein SNAP-23; anti-SNAP23 antibody

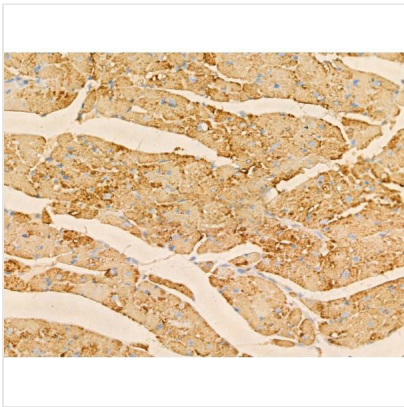
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(100%), Bovine(100%), Horse(100%), Sheep(100%), Rabbit(100%), Dog(100%), Chicken(83%)
Clonality	Polyclonal
Isotype	IgG
Specificity	SNAP23 Antibody detects endogenous levels of total SNAP23.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	211
Applicable Applications for anti-SNAP23 antibody	WB (Western Blot), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IF: 1:100-1:500 ICC: 1:100-1:500 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human SNAP23, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



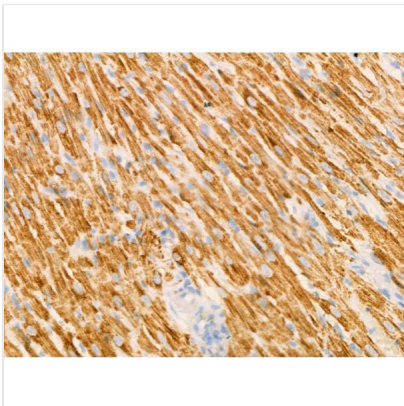
IF (Immunofluorescence)

AAA31198 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31198 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



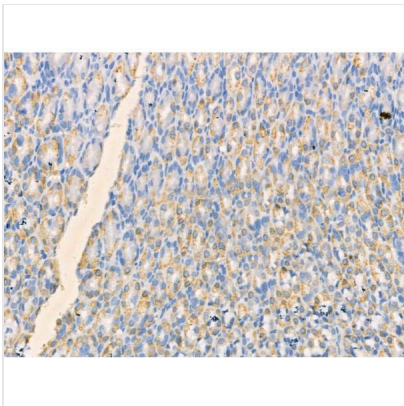
IHC (Immunohistochemistry-Paraffin)

AAA31198 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



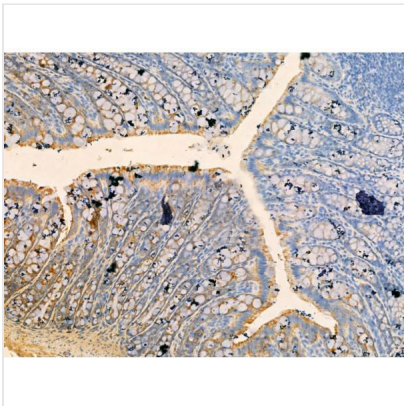
IHC (Immunohistochemistry-Paraffin)

AAA31198 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



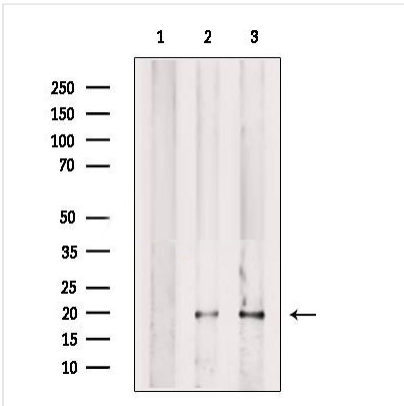
IHC (Immunohistochemistry-Paraffin)

AAA31198 at 1/100 staining Rat stomach tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)

AAA31198 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using SNAP23 Antibody. Lane 1: HeLa cells, treated with blocking peptide; Lane 2: HeLa cells; Lane 3: Mouse brain. Observed bands: (isoform)19 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SNAP23 antibody	Function: Essential component of the high affinity receptor for the general membrane fusion machinery and an important regulator of transport vesicle docking and fusion. Subcellular Location: Cell membrane>Peripheral membrane protein. Cell membrane>Lipid-anchor. Cell junction>Synapse>Synaptosome. Note: Mainly localized to the plasma membrane. Tissue Specificity: Ubiquitous. Highest levels where found in placenta. Subunit Structure: Homotetramer (via coiled-coil domain), also forms heterotetramers with STX4 and VAMP3 (PubMed:12556468). Found in a complex with VAMP8 and STX1A (PubMed:12130530). Found in a complex with VAMP8 and STX4 in pancreas (By similarity). Interacts simultaneously with SNAPIN and SYN4 (By similarity). Interacts with STX1A (By similarity). Interacts with STX12 (By similarity). Interacts tightly to multiple syntaxins and synaptobrevins/VAMPs (By similarity). Interacts with ZDHHC13 (via ANK repeats) (By similarity). Interacts with ZDHHC17 (via ANK repeats) (PubMed:28882895). Similarity: Belongs to the SNAP-25 family.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	6685971
NCBI GeneID	8773
UniProt Accession #	O00161
Molecular Weight	Observed Molecular Weight: (Observed)23kD, (isoform)19kD. Predicted Molecular Weight: (Calculated)23kDa.
NCBI Official Full Name	Synaptosomal-associated protein 23
NCBI Official Synonym Full Names	synaptosome associated protein 23
NCBI Official Symbol	SNAP23
NCBI Official Synonym Symbols	SNAP-23; SNAP23A; SNAP23B; HsT17016
NCBI Protein Information	synaptosomal-associated protein 23
UniProt Protein Name	Synaptosomal-associated protein 23
UniProt Gene Name	SNAP23
UniProt Synonym Gene Names	SNAP-23
UniProt Entry Name	SNP23_HUMAN

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.