

Rabbit anti-Human, Rat SDCCAG3 Polyclonal Antibody | anti-SDCCAG3 antibody

SDCCAG3 Antibody

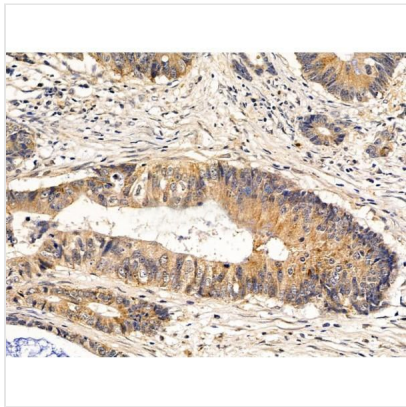
CATALOG # AAA329160	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS ELISA
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PRODUCT SYNONYMS

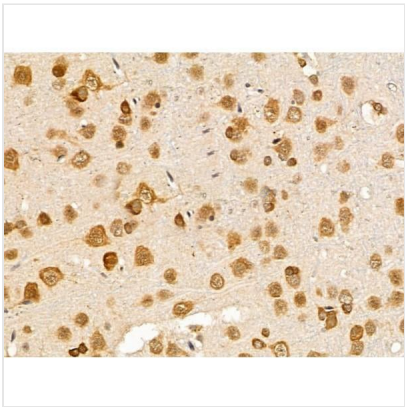
SDCCAG3; Polyclonal Antibody; SDCCAG3 Antibody; Antigen NY CO 3; NY CO 3; NY-CO-3; OTTHUMP00000022582; SDCCAG 3; Serologically defined colon cancer antigen 3; anti-SDCCAG3 antibody

PRODUCT SPECIFICATIONS

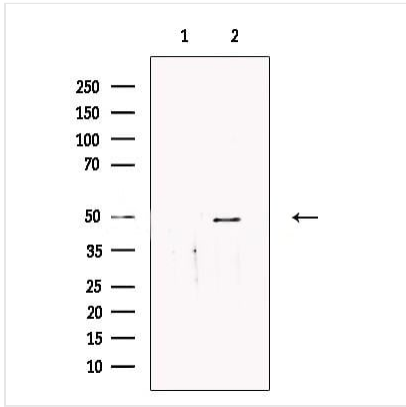
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SDCCAG3 Antibody detects endogenous levels of total SDCCAG3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. 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	435
Applicable Applications for anti-SDCCAG3 antibody	ELISA
Immunogen	A synthesized peptide derived from human SDCCAG3, corresponding to a region within N-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



IHC (Immunohistochemisry)
AAA329160 at 1/100 staining Human colorectal cancer 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 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohiostchemistry)
AAA329160 at 1/100 staining Rat brain 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 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from MOLT4, using SDCCAG3 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SDCCAG3 antibody	Function: Endosome-associated protein that plays a role in membrane receptor sorting, cytokinesis and ciliogenesis (PubMed:23108400, PubMed:25278552, PubMed:27767179). Involved in the endosome-to-plasma membrane trafficking and recycling of SNX27-retromer-dependent cargo proteins, such as GLUT1 (PubMed:25278552). Involved in the regulation of cytokinesis; the function may involve PTPN13 and GIT1 (PubMed:23108400). Plays a role in the formation of cilia (PubMed:27767179). Involved in cargo protein localization, such as PKD2, at primary cilia (PubMed:27767179). Involved in the presentation of the tumor necrosis factor (TNF) receptor TNFRSF1A on the cell surface, and hence in the modulation of the TNF-induced apoptosis (By similarity). Post Translational Modifications: Phosphorylated. Subcellular Location: Cytoplasm. Early endosome. Endosome. Recycling endosome. Midbody. Cytoplasm>Cytoskeleton>Microtubule organizing center>Centrosome. Cytoplasm>Cytoskeleton>Cilium basal body. Note: Colocalizes in a WASHC2-dependent manner with the retromer CSC complex at endosomes (PubMed:25278552). During cytokinesis colocalized with PTPN13 at the midbody (PubMed:23108400). Colocalizes with IFT88 and gamma-tubulin at the basal body of primary cilia (PubMed:27767179). Colocalizes with IFT88 and pericentrin at the centrosome (PubMed:27767179). Tissue Specificity: Expressed in the colon (at protein level). Subunit Structure: Found in a complex with ENTR1, PTPN13 and GIT1 (PubMed:23108400). Interacts with PTPN13 (via the FERM domain) (PubMed:23108400). Interacts (via N-terminus) with GIT1 (via N- and C-terminus); this interaction is direct (PubMed:23108400). Interacts with NOD2 (PubMed:27812135). Interacts (via N-terminus) with IFT88 (PubMed:27767179). Interacts with VPS35 (PubMed:25278552). Similarity: The N-terminal domain is necessary and sufficient for basal body localization and ciliogenesis. Belongs to the ENTR1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	172045853
NCBI GeneID	10807
UniProt Accession #	Q96C92
Molecular Weight	Observed Molecular Weight: (Observed)47kD. Predicted Molecular Weight: (Calculated)48kDa.
NCBI Official Full Name	Endosome-associated-trafficking regulator 1
NCBI Official Synonym Full Names	endosome associated trafficking regulator 1
NCBI Official Symbol	ENTR1
NCBI Official Synonym Symbols	SDDAG3; NY-CO-3; SDCCAG3
NCBI Protein Information	endosome-associated-trafficking regulator 1
UniProt Protein Name	Serologically defined colon cancer antigen 3
UniProt Gene Name	SDCCAG3
UniProt Entry Name	SDCG3_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.