SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB1024-200	600 µg

Anti-Rab5 Pan

Source: Goat

General description: Goat polyclonal antibody to mouse Rab5. Rab5 belongs to the small GTPase superfamily, Rab family. Rab5a is an Early Endosome Marker and functions as a key regulator of vesicular trafficking during early endocytosis.

Alternative names: RAB5A, RAB5B, RAB5C, RAS-associated protein RAB5A, ras-related protein Rab-5B, RAS-associated protein RAB5C, ras-related protein Rab-5A, ras-related protein Rab-5B, ras-related protein Rab-5C antibody.

Form: ?Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant peptide derived from within residues 115 aa to the C-terminus of mouse Rab5a, Rab5b and rab5c produced in E. coli.

Specificity: Detects total Rab5 protein in the following human, rat and mouse whole cell lysates and transfected cells with GFP-Rab5a, GFP-Rab5b and GFP-Rab5c cds by Western blot.

Reactivity: Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	+++	+++	+++	ND
Rat	+++	+++	+++	+++	ND
Mouse	+++	+++	+++	+++	ND
Canine	+++	+++	+++	+++	ND
Monkey	+++	+++	+++	+++	ND

+++ excellent, ++ good, + poor, ND not determined

Usage:

WB: 1:250-1:2,000

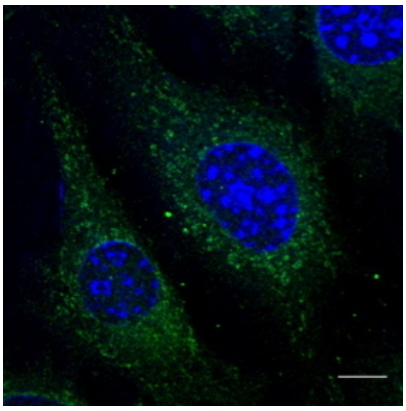
IHC (F):	1:200-1:1,000
IHC (P):	1:200-1:1,000
IF:	1:50-1:250
ELISA:	ND

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

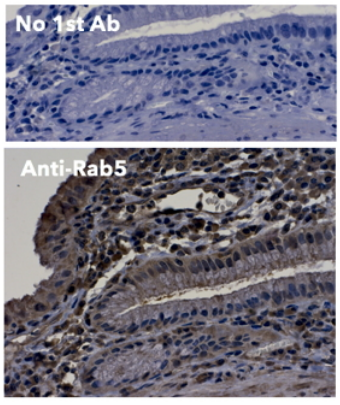
Special instructions: The antibody solution should be gently mixed before use..

References:

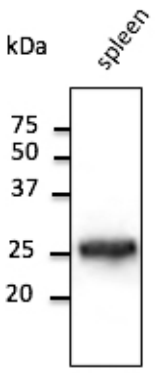
1. Burrinha T, Gomes R, Terrasso AP, et al. bioRxiv Apr 2019
2. Toneatti R, Shin JM, Shah UH, et al. Sci Signal. 2020 Oct. PMID: 33082287



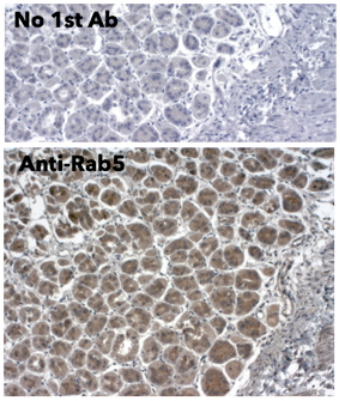
Immunofluorescence – anti-Rab5 Ab using B6-RPE07 cells at 1/50 dilution; cells were fixed with 4% of PFA;



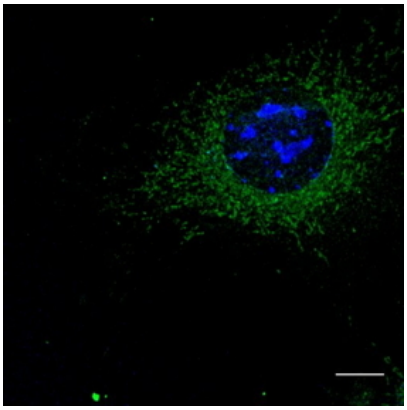
IHC of human gallbladder using anti-Rab5 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-Rab5 Ab at 1:100/DAB detection;



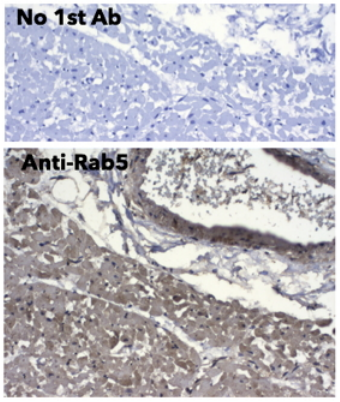
Anti-Rab5 Ab at 1/1,000 dilution; tissue lysate at 100 µg per lane; Rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



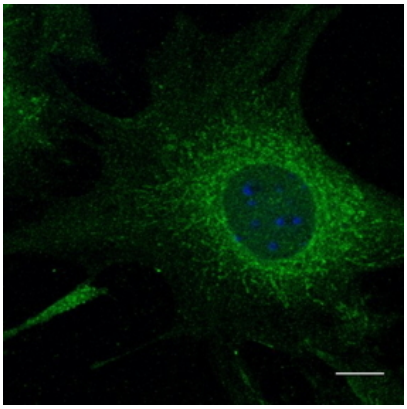
IHC of mouse stomach using anti-Rab5 antibody and FFPE tissue after heat-induced antigenretrieval. Anti-Rab5 Ab at 1:500/DAB detection;



Immunofluorescence – anti-Rab5 Ab using B6-RPE07 cells at 1/50 dilution; cells were fixed with 4% of PFA;



IHC of human myocardium using anti-Rab5 antibody and FFPE tissue after heat-induced antigen retrieval. Anti-Rab5 Ab at 1:100/DAB detection;



Immunofluorescence – anti-Rab5 Ab using B6-RPE07 cells at 1/50 dilution; cells were fixed with 4% of PFA;

For research use only, not for diagnostic use

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.