SICGEN ANTIBODIES

Product Data Sheet

Catalogue No.	Qty:
AB0123-200	800 µg
AB0123-500	2 mg

Anti-REP1

Source: Goat

General description: REP1 is the component A of the RAB geranylgeranyl transferase holoenzyme. In the dimeric holoenzyme, this subunit binds unprenylated Rab GTPases and then presents them to the catalytic Rab GGTase subunit for the geranylgeranyl transfer reaction. Mutations in this protein are a cause of a type of retinal degeneration, called choroideremia.

Alternative names: CHM, choroideremia protein, DXS540, GGTA, HSD-32, RP1-93L7.1, rab escort protein 1, Rab geranylgeranyltransferase component A, REP-1, TCD antibody.

Form: Polyclonal antibody supplied as a 200 or 500 µl (4 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 617 aa - stop at the C-terminus of human Rep1 produced in E. coli.

Specificity: Detects endogenous Rep1 and in transfected cells by Western blot.

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

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

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

Usage:

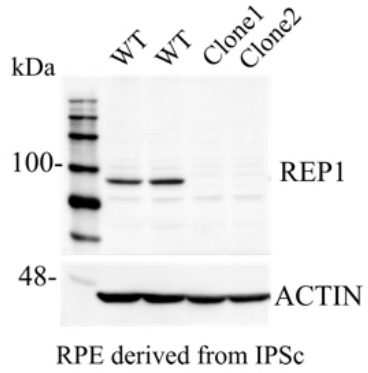
WB: 1:500-1:2,000

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.

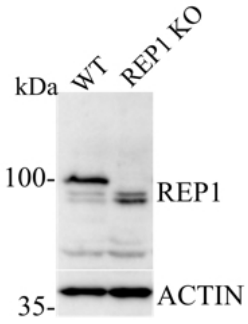
Special instructions: The antibody solution should be gently mixed before use..

References:

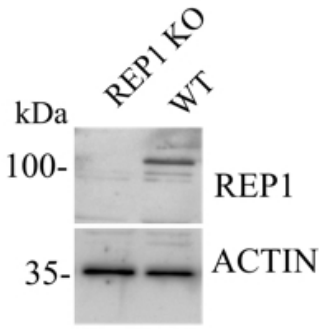
1. Fonseca AF, Coelho R, Lopes-da-Silva M, et al. Stem Cells Dev 2024 Jul PMID: 39078329



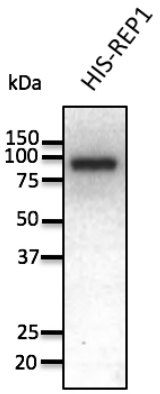
RPE derived from IPSc



ARPE-19 cells



IPScells



Anti-REP1 Ab at 1/1,000 dilution; 50 ng of recombinant protein per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

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.