

For Research Use Only

ASCC2 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86086-2-PBS



Basic Information

Catalog Number: 86086-2-PBS	GenBank Accession Number: BC025368	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84164	CloneNo.: 250566B11
Source: Rabbit	UNIPROT ID: Q9H1I8	
Isotype: IgG	Full Name: activating signal cointegrator 1 complex subunit 2	
Immunogen Catalog Number: AG2100	Calculated MW: 757 aa, 86 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications:
IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

86086-2-PBS targets ASCC2 as part of a matched antibody pair.

MP02784-1: 86086-1-PBS capture and 86086-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

ASCC2, also known as ASC1p100, is a subunit of the activating signal cointegrator 1 complex. ASCC2 plays a role in DNA damage repair as a component of the ASCC complex, recruiting ASCC3 and ALKBH3 to sites of DNA damage by binding to polyubiquitinated proteins that have 'Lys-63'-linked polyubiquitin chains. Additionally, it is part of the ASC-1 complex that enhances NF-kappa-B, SRF, and AP1 transactivation (PMID: 29144457, 12077347).

Storage

Storage:
Store at -80°C.

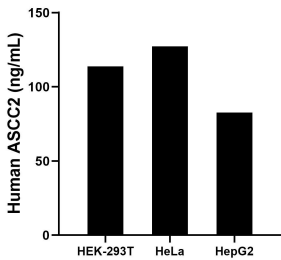
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

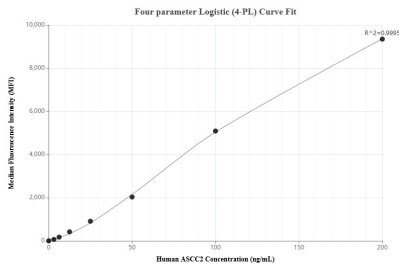
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ASCC2 antibody (86086-2-RR, Clone: 250566B11) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86086-2-PBS in a different storage buffer formulation.



The mean ASCC2 concentration was determined to be 113.7 ng/mL in HEK-293T cell extract based on a 1.2 mg/mL extract load, 127.2 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 82.7 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP02784-1, ASCC2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86086-1-PBS. Detection antibody: 86086-2-PBS. Standard: Ag2100. Range: 3.125-200 ng/mL