For Research Use Only

CRTAC1 Monoclonal antibody, PBS Only

Catalog Number:68276-1-PBS

Basic Information

Catalog Number:
68276-1-PBS

Size:
100ug , Concentration: 1mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG32813

GenBank Accession Number:
BC034245

GeneID (NCBI):
55118

UNIPROT ID:
Q9NQ79

Full Name:
cartilage acidic protein 1

Calculated MW:
661 aa, 71 kDa

Observed MW:
71 kDa

Purification Method:
Protein A purification

CloneNo.:
2A11E2

Applications

Tested Applications:
WB, IF, Indirect ELISA

Species Specificity:
Human, rat, mouse, rabbit, pig

Background Information

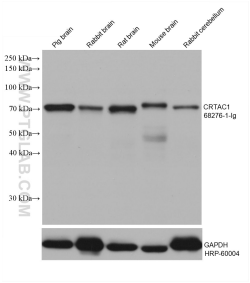
CRTAC1 (cartilage acidic protein 1) is also named as ASPIC1 and CEP68. CRTAC1 is an extracellular matrix protein of human chondrogenic tissue. CRTAC1 promotes cell proliferation, migration and extracellular matrix regeneration and remodeling in primary human fibroblasts (PMID:32084494). CRTAC1 expression is decreased in tissue samples of bladder urothelial carcinoma (PMID:34818994). CRTAC1 overexpression promotes the pyroptosis of human lens epithelial cells by facilitating the reactive oxygen species (ROS) production in the formation of cataract (PMID:32838966). CRTAC1 was the most compelling and robust biomarker for osteoarthritis severity and progression (PMID:35924962).

Storage

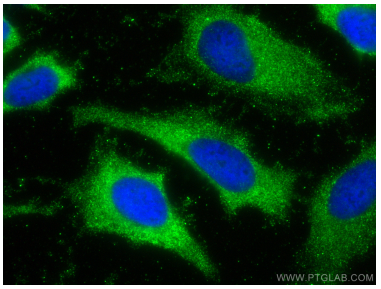
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68276-1-Ig (CRTAC1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68276-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CRTAC1 antibody (68276-1-Ig, Clone: 2A11E2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68276-1-PBS in a different storage buffer formulation.