

ASC Polyclonal Antibody

Catalog No: #40618

Package Size: #40618-1 50ul #40618-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	ASC Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	ASC Polyclonal Antibody detects endogenous levels of ASC protein.
Immunogen Description	Synthesized peptide derived from the N-terminal region of human ASC.
Conjugates	Unconjugated
Target Name	ASC
Other Names	PYCARD; ASC; CARD5; TMS1; Apoptosis-associated speck-like protein containing a CARD; hASC; Caspase recruitment domain-containing protein 5; PYD and CARD domain-containing protein; Target of methylation-induced silencing 1
Accession No.	Swiss-Prot: Q9ULZ3NCBI Gene ID: 29108
SDS-PAGE MW	21kd
Concentration	1mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000.

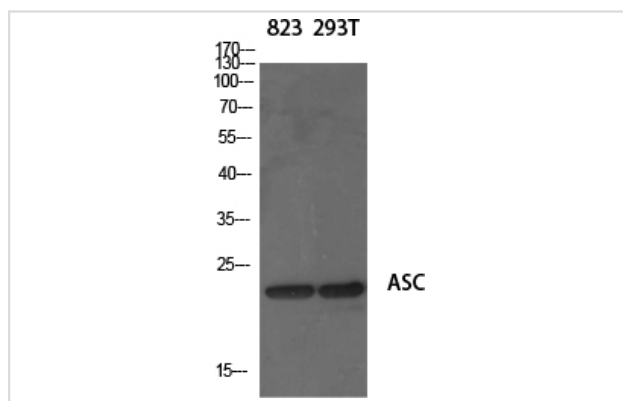
Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000.

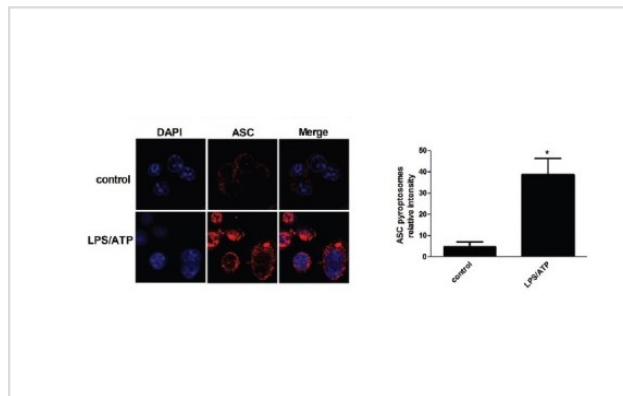
ELISA: 1/40000.

Not yet tested in other applications.

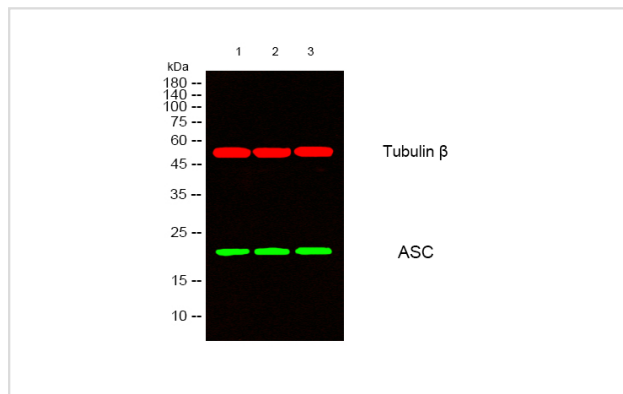
Images



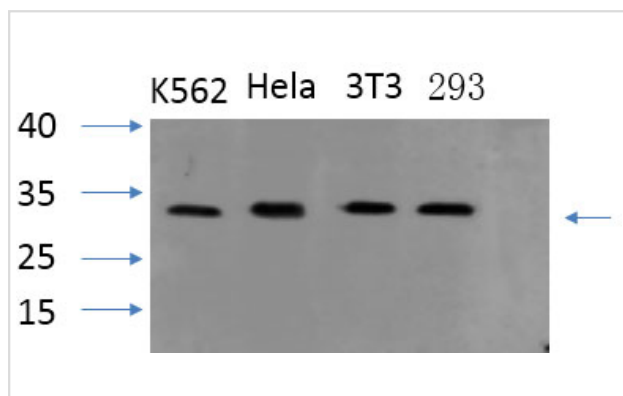
Western Blot analysis of 823 293T cells using ASC Polyclonal Antibody



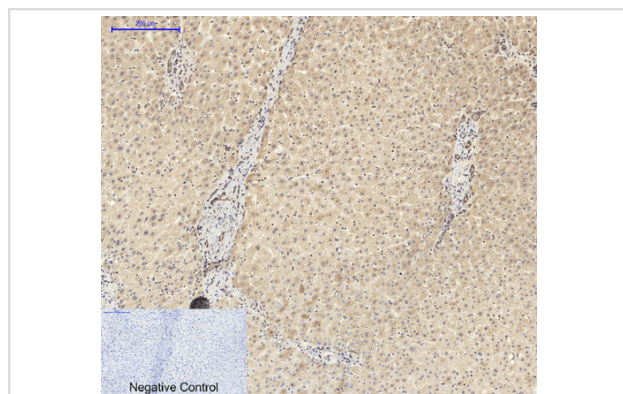
Wu, Dong-Dong, et al. "Inhibition of alveolar macrophage pyroptosis reduces lipopolysaccharide-induced acute lung injury in mice." Chinese medical journal 128.19 (2015): 2638.



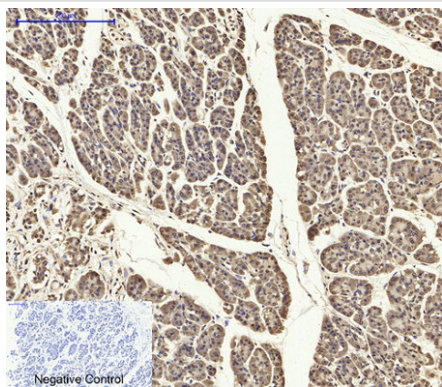
Western blot analysis of lysates from 1) K562 , 2) HeLa , 3) 3T3 cells, oO GreenoO primary antibody was diluted at 1:1000, 4° over night, secondary antibody was diluted at 1:10000, 37° 1hour. oO RedoO Tubulin β Monoclonal Antibody(5G3) antibody was diluted at 1:5000 as loading control, 4° over night,secondary antibody was diluted at 1:10000, 37° 1hour.



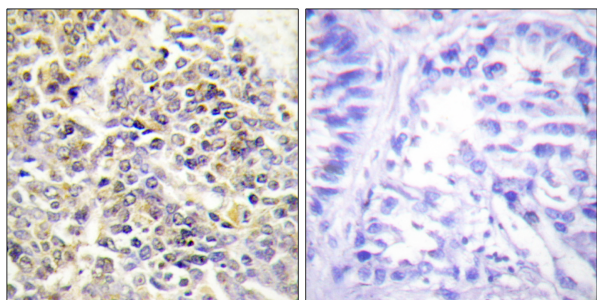
Western Blot analysis of various cells using primary antibody diluted at 1:1000(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour). Cell lysate was extracted by Minuteβ Plasma Membrane Protein Isolation and Cell Fractionation Kit(SM-005, Inventbiotech,MN,USA).



Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,ASC Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human-stomach-cancer tissue. 1,ASC Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ASC Antibody. The picture on the right is blocked with the synthesized peptide.

Published Papers

el at., Protective effect of ginsenoside Rg5 against kidney injury via inhibition of NLRP3 inflammasome activation and the MAPK signaling pathway in high-fat diet/streptozotocin-induced diabetic mice. In *Pharmacol Res* on 2020 May by Yanyan Zhu, Chenhui Zhu, et al..PMID: 32156650, , (2020)
[PMID:32156650](#)

el at., Ginsenoside Rk3 alleviated DSS-induced ulcerative colitis by protecting colon barrier and inhibiting NLRP3 inflammasome pathway. In *Int Immunopharmacol* on 2020 Aug by Mi Tian, Pei Ma, et al..PMID: 32521491, , (2020)
[PMID:32521491](#)

el at., The Extracts of *Angelica sinensis* and *Cinnamomum cassia* from Oriental Medicinal Foods Regulate Inflammatory and Autophagic Pathways against Neural Injury after Ischemic Stroke. In *Oxid Med Cell Longev* on 2021 Jun 26 by Cheng Luo, Qi Chen,et al..PMID:34257822, , (2021)
[PMID:34257822](#)

el at., Alpha-lipoic acid alleviates NAFLD and triglyceride accumulation in liver via modulating hepatic NLRP3 inflammasome activation pathway in type 2 diabetic rats. In *Food Sci Nutr* on 2021 Mar 13 by Chih-Yuan Ko, Yangming Martin Lo, et al..PMID: 34026086, , (2021)
[PMID:34026086](#)

Jiaying Liu;Yuanfan Chen;Jing Zhang;Yun Zheng;Yun An;Chenglai Xia;Yonger Chen;Song Huang;Shaozhen Hou;Dong Deng el at., Vitexin alleviates MNNG-induced chronic atrophic gastritis via inhibiting NLRP3 inflammasome., , (2025)
[PMID:39716512](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.