

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	Hu Ms Rt
Specificity	ASC Polyclonal Antibody detects endogenous levels of ASC protein.
Immunogen Description	Synthesized peptide derived from the N-terminal region of human ASC.
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.

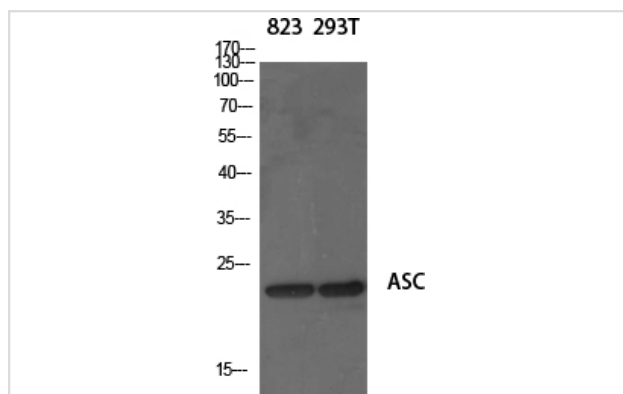
Immunohistochemistry: 1/100 - 1/300.

Immunofluorescence: 1/200 - 1/1000.

ELISA: 1/40000.

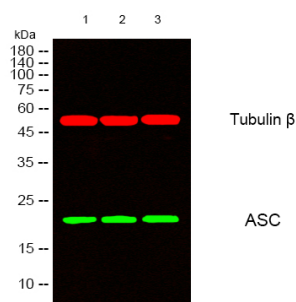
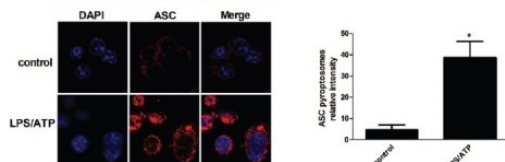
Not yet tested in other applications.

Images

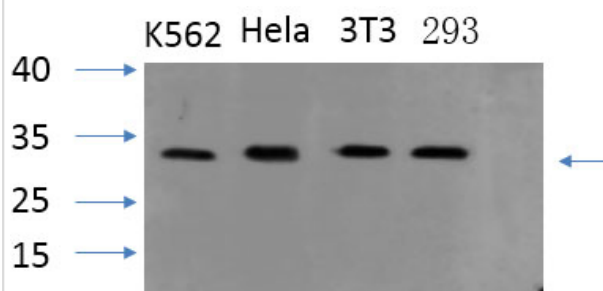


Western Blot analysis of 823 293T cells using ASC Polyclonal Antibody

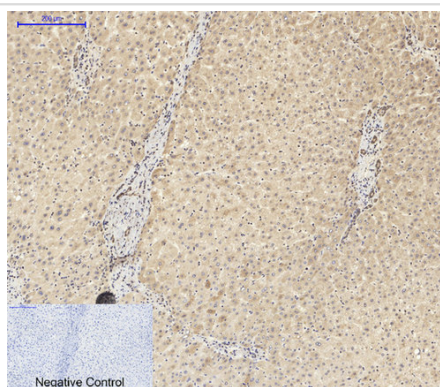
Wu, Dong-Dong, et al. "Inhibition of alveolar macrophage pyroptosis reduces lipopolysaccharide-induced acute lung injury in mice." Chinese medical journal 128.19 (2015): 2638.



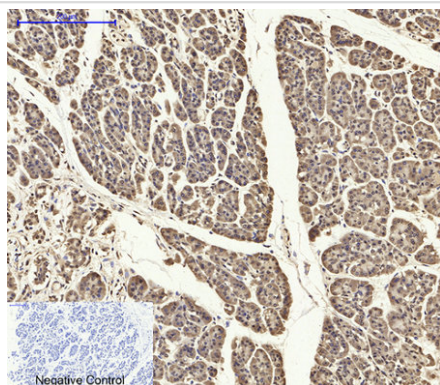
Western blot analysis of lysates from 1) K562, 2) HeLa, 3) 3T3 cells. α O GreenoO primary antibody was diluted at 1:1000, 4° over night, secondary antibody was diluted at 1:10000, 37° 1 hour. α O RedoO Tubulin β Monoclonal Antibody(5G3) antibody was diluted at 1:5000 as loading control, 4° over night,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



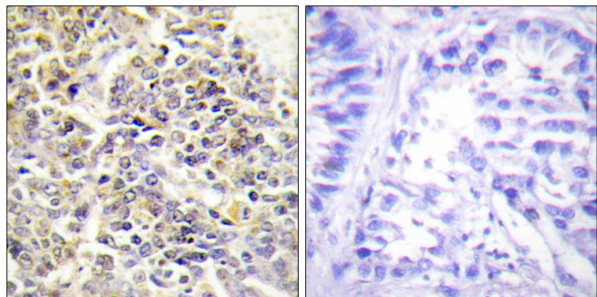
Western Blot analysis of various cells using primary antibody diluted at 1:1000(4°C overnight). Secondary antibody:Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour). Cell lysate was extracted by Minute β Plasma Membrane Protein Isolation and Cell Fractionation Kit(SM-005, Inventbiotech,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

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](#)

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