ARG67233
anti-ASC / TMS1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes ASC / TMS1
Tested Reactivity	Hu, Ms, Rat, Drosophila
Tested Application	ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	ASC / TMS1
Conjugation	Un-conjugated
Alternate Names	PYCARD; PYD And CARD Domain Containing; CARD5; ASC; Apoptosis-Associated Speck-Like Protein Containing A CARD; TMS-1; Caspase Recruitment Domain-Containing Protein 5; Target Of Methylation-Induced Silencing 1; TMS1; PYD And CARD Domain-Containing Protein; Apoptosis-Associated Speck-Like; HASC; TMS

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:300
IHC-P	1:100 - 1:200
WB	1:500 - 1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

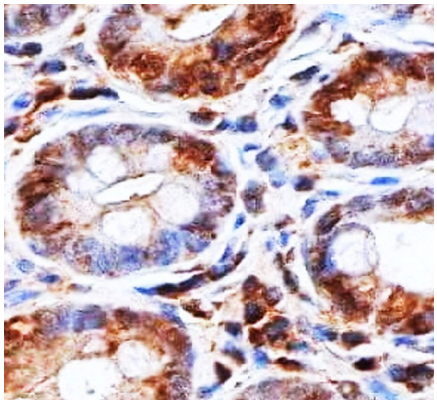
Properties

Form	Liquid
Purification	Protein A purified.
Buffer	PBS (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

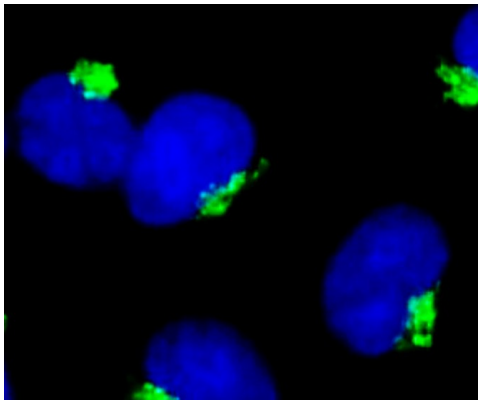
Gene Symbol	PYCARD
Gene Full Name	PYD And CARD Domain Containing
Background	This gene encodes an adaptor protein that is composed of two protein-protein interaction domains: a N-terminal PYRIN-PAAD-DAPIN domain (PYD) and a C-terminal caspase-recruitment domain (CARD). The PYD and CARD domains are members of the six-helix bundle death domain-fold superfamily that mediates assembly of large signaling complexes in the inflammatory and apoptotic signaling pathways via the activation of caspase. In normal cells, this protein is localized to the cytoplasm; however, in cells undergoing apoptosis, it forms ball-like aggregates near the nuclear periphery. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Modulates host resistance to DNA virus infection, probably by inducing the cleavage of and inactivating CGAS in presence of cytoplasmic double-stranded DNA. [Uniprot]
Calculated Mw	22 kDa
PTM	Isopeptide bond, Phosphoprotein, Ubl conjugation. [Uniprot]
Cellular Localization	Cytoplasm, Endoplasmic reticulum, Golgi apparatus, Inflammasome, Membrane, Mitochondrion, Nucleus. [Uniprot]

Images



ARG67233 anti-ASC / TMS1 antibody IHC-P image

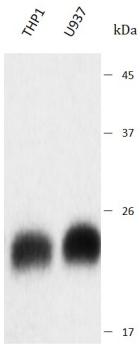
Immunohistochemistry: Human colon stained with ARG67233 anti-ASC / TMS1 antibody at 1:100 dilution.



ARG67233 anti-ASC / TMS1 antibody ICC/IF image

Immunofluorescence: HepG2 stained with ARG67233 anti-ASC / TMS1 antibody at 1:200 dilution.

ARG67233 anti-ASC / TMS1 antibody WB image



Western blot: THP1, U937 stained with ARG67233 anti-ASC / TMS1 antibody at 1:1000 dilution.