

## Basic Information

Product Name	Anti-ASC/TMS1/PYCARD Antibody (Clone#OTI1A2)
Gene Name	PYCARD
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human
Tested Application	WB, FCM
Contents	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Immunogen	Full length human recombinant protein of human PYCARD (NP_037390) produced in E.coli.
Concentration	500 ug/ml
Purification	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Observed MW	21.4 kDa
Dilution Ratios	Western blot (WB): 1:500~2000 Flow cytometry (FCM):1:100

## Storage

Stable for 12 months from date of receipt. Store at -20°C as received.

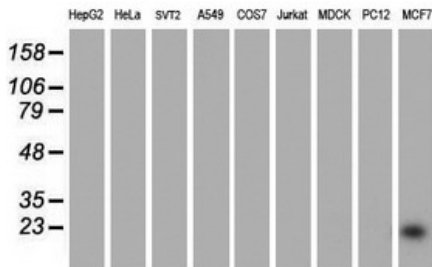
## Background Information

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]

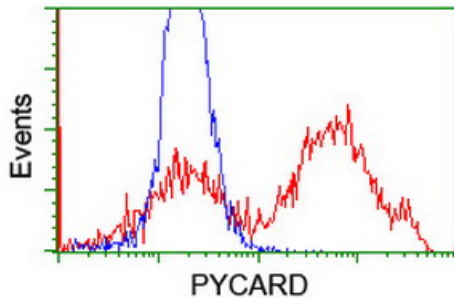
## Reference

Anti-ASC/TMS1/PYCARD Antibody (Clone#OTI1A2)被引用在1文献中。

## Selected Validation Data



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PYCARD monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



HEK293T cells transfected with either overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PYCARD antibody, and then analyzed by flow cytometry.