

PYCARD Polyclonal Antibody

catalog number: E-AB-93265

Note: Centrifuge before opening to ensure complete recovery of vial contents.

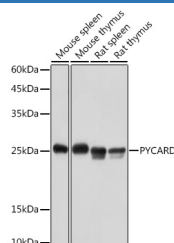
Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant fusion protein of mouse PYCARD
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

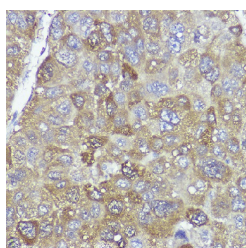
WB	1:500-1:2000
IHC	1:50-1:200

Data

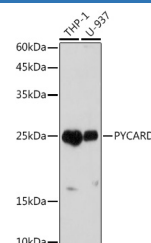
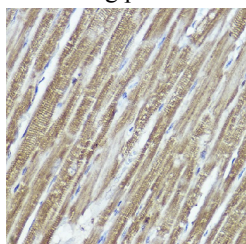


Western blot analysis of extracts of various cell lines using PYCARD Polyclonal Antibody at 1:1000 dilution.

Observed-MV:25 kDa
Calculated-MV:21 kDa

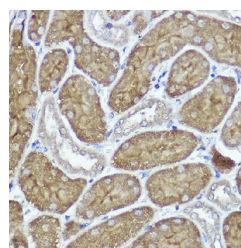


Immunohistochemistry of paraffin-embedded human liver cancer using PYCARD Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western blot analysis of extracts of various cell lines using PYCARD Polyclonal Antibody at 1:1000 dilution.

Observed-MV:25 kDa
Calculated-MV:21 kDa



Immunohistochemistry of paraffin-embedded mouse kidney using PYCARD Polyclonal Antibody at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

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Immunohistochemistry of paraffin-embedded rat heart using
PYCARD Polyclonal Antibody at dilution of 1:100 (40x
lens). Perform high pressure antigen retrieval with 10 mM
citrate buffer pH 6.0 before commencing with IHC staining
protocol.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

Functions as key mediator in apoptosis and inflammation. Promotes caspase-mediated apoptosis involving predominantly caspase-8 and also caspase-9 in a probable cell type-specific manner. Involved in activation of the mitochondrial apoptotic pathway, promotes caspase-8-dependent proteolytic maturation of BID independently of FADD in certain cell types and also mediates mitochondrial translocation of BAX and activates BAX-dependent apoptosis coupled to activation of caspase-9, -2 and -3. Involved in macrophage pyroptosis, a caspase-1-dependent inflammatory form of cell death and is the major constituent of the ASC pyroptosome which forms upon potassium depletion and rapidly recruits and activates caspase-1. In innate immune response believed to act as an integral adapter in the assembly of the inflammasome which activates caspase-1 leading to processing and secretion of proinflammatory cytokines. The function as activating adapter in different types of inflammasomes is mediated by the pyrin and CARD domains and their homotypic interactions.

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