CASP1 Polyclonal Antibody

catalog number: **E-AB-70300**

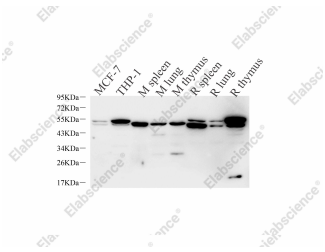
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

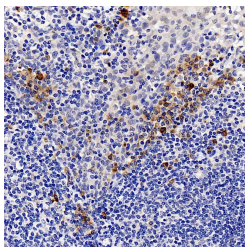
Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein corresponding to Mouse Caspase1
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 1% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:300-1:800

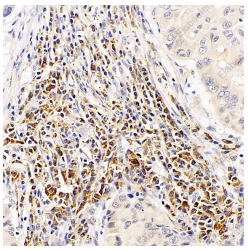
Data



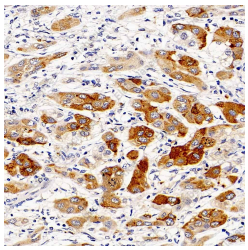
Western Blot analysis of various samples using CASP1 Polyclonal Antibody at dilution of 1:1000.
Observed-MW:45-47 kDa,30 kDa,35 kDa
Calculated-MW:45 kDa



Immunohistochemistry analysis of paraffin-embedded human tonsil using CASP1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded human lung cancer using CASP1 Polyclonal Antibody at dilution of 1:300.



Immunohistochemistry analysis of paraffin-embedded human liver cancer using CASP1 Polyclonal Antibody at dilution of 1:300.

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

This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce 2 subunits, large and small, that dimerize to form the active enzyme. This gene was identified by its ability to proteolytically cleave and activate the inactive precursor of interleukin-1, a cytokine involved in the processes such as inflammation, septic shock, and wound healing. This gene has been shown to induce cell apoptosis and may function in various developmental stages. Studies of a similar gene in mouse suggest a role in the pathogenesis of Huntington disease. Alternative splicing results in transcript variants encoding distinct isoforms.

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