

Anti-Caspase 1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

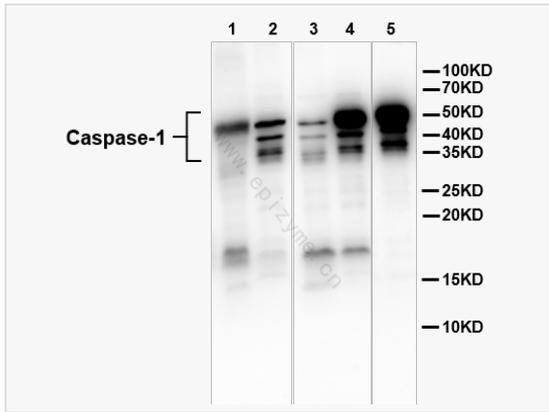
Catalog # R013737

Product Information

Application	WB, ELISA
Reactivity	Mouse, Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	76H24H16
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from Caspase-1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Caspase 1 Rabbit mAb [76H24H16] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	CASP1, IL1BC, IL1BCE, Caspase-1, CASP-1, Interleukin-1 beta convertase, IL-1BC, Interleukin-1 beta-converting enzyme, ICE, IL-1 beta-converting enzyme, p45.
Calculated MW	Calculated MW: 45, 42, 35, 12, 10 kDa; Observed MW: 45, 42, 35 kDa
Uniprot ID	P29466
Gene ID	834
Background	Thiol protease that cleaves IL-1 beta between an Asp and an Ala, releasing the mature cytokine which is involved in a variety of inflammatory processes. Important for defense against pathogens. Cleaves and activates sterol regulatory element binding proteins (SREBPs). Can also promote apoptosis.



Western Blot - Anti-Caspase 1 Rabbit mAb [76H24H16]

All lanes: R013737 at 1:1,000 dilution

Lane 1: MCF7 (human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 2: A549 (human non-small cell lung cancer epithelial cell) whole cell lysates

Lane 3: SCC-9 (human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 4: C2C12 (mouse myoblasts epithelial cell) whole cell lysates

Lane 5: Balb/c mouse liver whole tissue lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 45 kDa, 42 kDa, 35 kDa, 12 kDa, 10 kDa

Observed band size: 45 kDa, 42 kDa, 35 kDa

Developed using the ECL technique (Cat. No. SQ201).