

## Anti-Pyrrin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

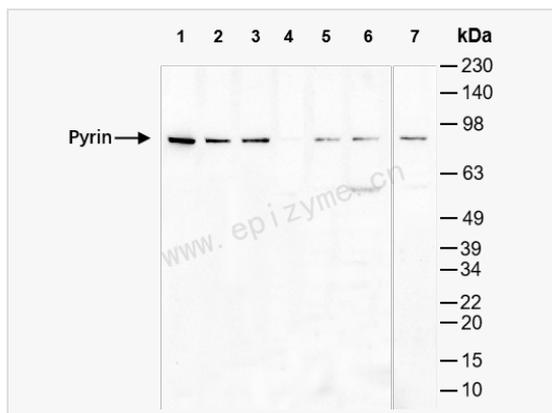
Catalog # R015533

### Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	80H71L60
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of mouse Pyrrin
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-Pyrrin Rabbit mAb [80H71L60] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	FME; Marenostriin; Mediterranean fever; Mediterranean fever protein; MEF; Mefv; MEFV_HUMAN; Pyrrin; TRIM20.
Calculated MW	Calculated MW: 86 kDa; Observed MW: 86 kDa
Uniprot ID	Q9JJ26
Gene ID	54483
Background	Involved in the regulation of innate immunity and the inflammatory response in response to IFNG/IFN-gamma. Organizes autophagic machinery by serving as a platform for the assembly of ULK1, Beclin 1/BECN1, ATG16L1, and ATG8 family members and recognizes specific autophagy targets, thus coordinating target recognition with assembly of the autophagic apparatus and initiation of autophagy. Acts as an autophagy receptor for the degradation of several inflammasome components, including CASP1, NLRP1 and NLRP3, hence preventing excessive IL1B- and IL18-mediated inflammation.
Cellular Location	Nucleus and Cytoplasm > cytoskeleton. Associated with microtubules and with the filamentous actin of perinuclear filaments and peripheral lamellar ruffles.
Tissue Location	Expressed in peripheral blood leukocytes, particularly in mature granulocytes and to a lesser extent in monocytes but not in lymphocytes. Detected in spleen, lung and muscle, probably as a result of leukocyte infiltration in these tissues. Not expressed in thymus, prostate, testis, ovary, small intestine, colon, heart, brain, placenta, liver, kidney, pancreas. Expression detected in several myeloid leukemic, colon cancer, and prostate cancer cell lines.



Western Blot - Anti-Pyrin Rabbit mAb [80H71L60]

All lanes: R015533 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: 293T (Human embryonic kidney cell) whole cell lysates

Lane 5: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 6: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 7: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lysates/proteins at 10  $\mu$ g per lane.

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

Predicted band size: 86 kDa

Observed band size: 86 kDa

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