

## Anti-IRP2 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

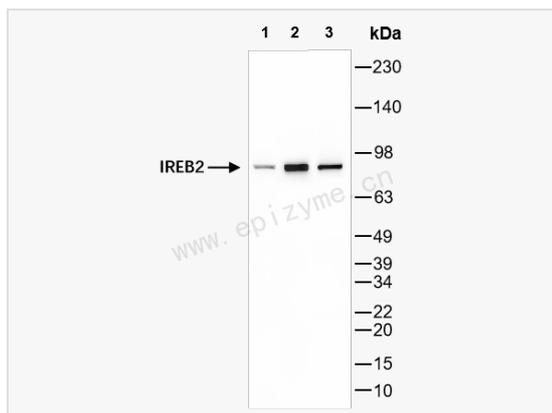
Catalog # R015970

### Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	27E99J99
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human IREB2
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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-IRP2 Rabbit mAb [27E99J99] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Iron-responsive element-binding protein 2; IRE-BP 2; Iron regulatory protein 2; IRP2; IREB2.
Calculated MW	Calculated MW: 105 kDa; Observed MW: 90 kDa
Uniprot ID	P48200
Gene ID	3658
Background	The protein encoded by this gene is an RNA-binding protein that acts to regulate iron levels in the cells by regulating the translation and stability of mRNAs that affect iron homeostasis under conditions when iron is depleted. When iron levels are low, this protein binds to iron-responsive elements (IRES), stem-loop structures located either in the 5' or 3' UTRs. Binding to the 5' UTR represses translation, while binding to the 3' UTR inhibits mRNA degradation. When iron is found in the cell, this protein is degraded in a F-box and leucine rich repeat protein 5-dependent manner. Variants in this gene have been associated with lung cancer and chronic obstructive pulmonary disease (COPD). Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2017]
Cellular Location	Cytoplasm



Western Blot - Anti-IRP2 Rabbit mAb [27E99J99]

All lanes: R015970 at 1:1,000 dilution

Lane 1: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 2: Mouse liver whole tissue lysates

Lane 3: Rat liver whole tissue 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: 105 kDa

Observed band size: 90 kDa

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