

## Anti-BMP15 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

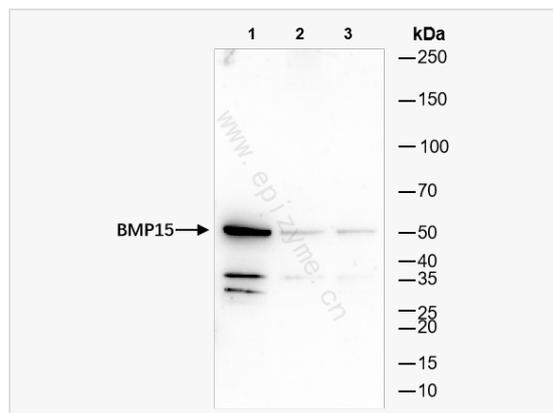
Catalog # R014005

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	53G32E13
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human BMP15
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-BMP15 Rabbit mAb [53G32E13] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	BMP 15, BMP-15, BMP15, BMP15_HUMAN, Bone morphogenetic protein 15, GDF 9B, GDF-9B, GDF9B, Growth/differentiation factor 9B, ODG2, POF4.
Calculated MW	Calculated MW: 45 kDa; Observed MW: 50 kDa
Uniprot ID	O95972
Gene ID	9210
Background	May be involved in follicular development. Oocyte-specific growth/differentiation factor that stimulates folliculogenesis and granulosa cell (GC) growth.
Cellular Location	Secreted.



Western Blot - Anti-BMP15 Rabbit mAb [53G32E13]

All lanes: R014005 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

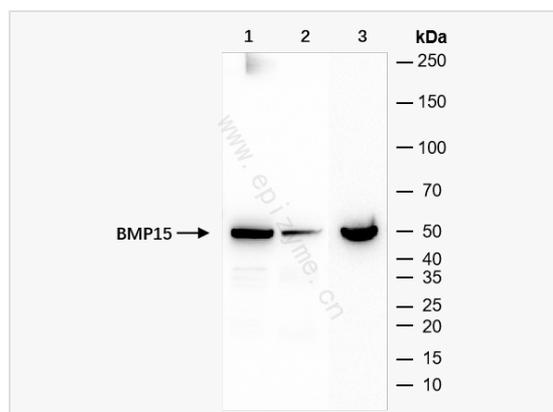
Lysates/proteins at 10  $\mu$ g per lane.

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

Predicted band size: 45 kDa

Observed band size: 50 kDa

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



Western Blot - Anti-BMP15 Rabbit mAb [53G32E13]

All lanes: R014005 at 1:1,000 dilution

Lane 1: HeL ( Human erythroLeukemia suspension cell) whole cell lysates

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

Lane 3: Rat brain whole tissue lysates

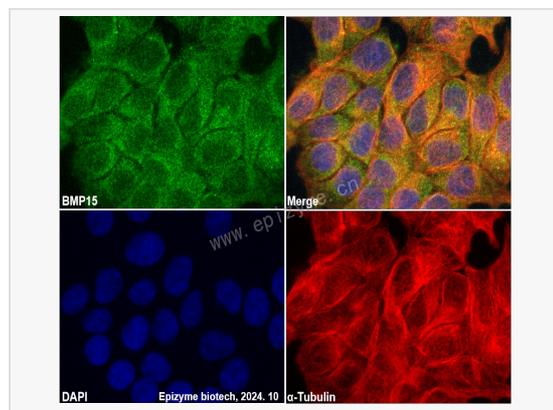
Lysates/proteins at 10  $\mu$ g per lane.

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

Predicted band size: 45 kDa

Observed band size: 50 kDa

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



Immunofluorescence - Anti-BMP15 Rabbit mAb [53G32E13]

Sample: HCT116 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R014005 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).