Anti-Phospho-Bad (Ser112) Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R014890

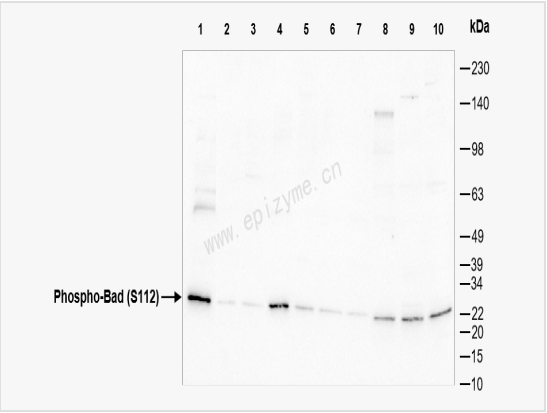
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	22A67Q16
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Bad
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-Phospho-Bad (Ser112) Rabbit mAb [22A67Q16] is for research use only and not for use in diagnostic or therapeutic procedures.

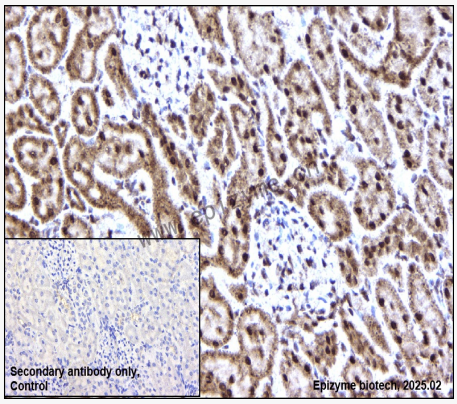
Protein Information

Synonyms	AI325008, BAD, BAD_HUMAN, BBC 2, BBC2, BBC6, Bcl 2 Antagonist of Cell Death, Bcl 2 Binding Component 6, BCL X / BCL 2 Binding Protein, BCL X Binding Protein, Bcl XL/Bcl 2 Associated Death Promoter, Bcl-2-binding component 6, Bcl-2-like protein 8, Bcl-XL/Bcl-2-associated death promoter, Bcl2 antagonist of cell death, BCL2 antagonist of cell death protein, BCL2 associated agonist of cell death, Bcl2 Associated Death Promoter, BCL2 binding component 6, BCL2 binding protein, Bcl2 Like 8 Protein, Bcl2-L-8, BCL2L8, Proapoptotic BH3 Only Protein.
Calculated MW	Calculated MW: 18 kDa; Observed MW: 21 kDa
Uniprot ID	Q92934
Gene ID	572
Background	The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL (B-cell lymphoma-extra large) and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. [provided by RefSeq, Dec 2019]
Cellular Location	Mitochondrion outer membrane. Cytoplasm. Upon phosphorylation, locates to the cytoplasm.
Tissue Location	Expressed in a wide variety of tissues.

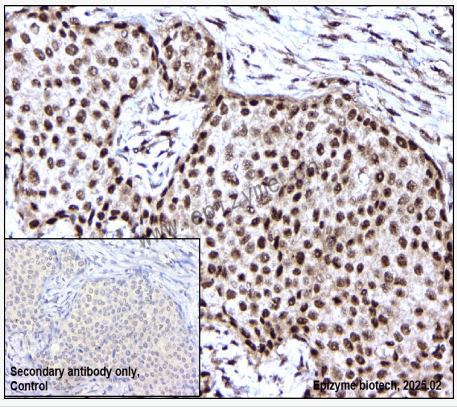
Validation Images



Western Blot - Anti-Phospho-Bad (Ser112) Rabbit mAb [22A67Q16]
All lanes: R014890 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 3: U2OS (Human osteosarcoma epithelial cell) whole cell lysates
Lane 4: Caco2 (Human colorectal adenocarcinoma epithelial cell) whole cell lysates
Lane 5: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates
Lane 6: 293T (Human embryonic kidney cell) whole cell lysates
Lane 7: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates
Lane 8: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates
Lane 9: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates
Lane10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 18 kDa
Observed band size: 21 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Phospho-Bad (Ser112) Rabbit mAb [22A67Q16]
Sample: Paraformaldehyde-fixed, paraffin embedded rat kidney tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014890 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Phospho-Bad (Ser112) Rabbit mAb [22A67Q16]
Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R014890 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.