

Anti-Phospho-Bad (Ser99) Antibody (7Q57)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	7Q57
Purification:	Protein A

Applications

Verified Activity:	1. Western blot analysis of extracts from serum-starved HEK293 overexpressing BAD, untreated (line A) or treated with forskolin (100nM, 30min; +)(line B), using Phospho-Bad (Ser99) rabbit monoclonal Antibody at 1:1000 dilution. 2. Western blot analysis of extracts from serum-starved HEK293 overexpressing BAD, untreated (line A); treated with forskolin (100nM, 30min; +)(line B); treated with forskolin and λ -phosphatase (line C) using Phospho-Bad (Ser99) rabbit monoclonal Antibody at 1:1000 dilution. (Validation Experiment)
Application:	WB
Recommended	WB: 1:1000-1:20000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthetic peptide: residues around Ser99 of Human Phospho-Bad
Antigen Species:	Human
Synonyms:	Bad (p-S99);p-Bad (S99);BAD;BBC6;p-Bad (Ser99);BBC2;Bad (p-Ser99);Phospho-Bad (S99);BCL2L8

Research Background

Bcl-2 agonist of cell death (BAD) is a BH3-only member of the Bcl-2 family which possesses important regulatory function in apoptosis. BAD has also been shown to possess many non-apoptotic functions closely linked to cancer including regulation of glycolysis, autophagy, cell cycle progression and immune system development. Oral squamous cell carcinoma (OSCC) is a type of cancer with high morbidity and mortality rates worldwide; it also demonstrates chemotherapeutic resistance. Triterpenoid ursolic acid has been shown to exhibit various biological activities and anticancer effects in several preclinical studies. The apoptosis-associated signaling showed that ursolic acid decreased the phosphorylation of AKT (Ser473) and B-cell lymphoma 2 (Bcl-2)-associated agonist of cell death (BAD; Ser136), and the protein levels of Bcl-2 and Bcl-extra large (Bcl-xL), and increased the expression of BAD and Bcl-2-associated X (Bax) protein in CAR cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481