Data Sheet (Cat.No.TMAC-00366)

Anti-Phospho-Bad (Ser112) Polyclonal Antibody

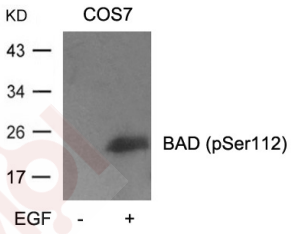
Product Details

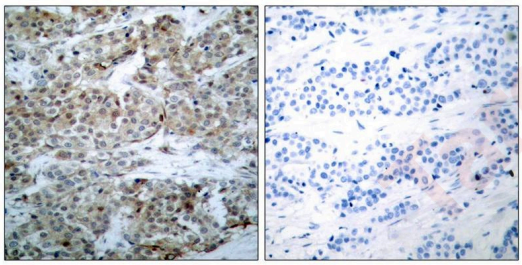
Ig Type:	IgG
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Actual: 23 kDa.
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Applications

Verified Activity:

1. Western blot analysis of extracts from cos7 cells untreated or treated with EGF using BAD (Phospho-Ser112) Antibody TMAC-00366.
2. Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using BAD(Phospho-Ser112) Antibody TMAC-00366(left) or the same antibody preincubated with blocking peptide(right).





Application: IHC,WB

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.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Peptide sequence around phosphorylation site of serine 112 (H-S-S(p)-Y-P) derived from Mouse BAD
Antigen Species:	Mouse
Uniprot ID:	Q61337
Synonyms:	p-Bad (Ser112);Bad (p-Ser112);p-Bad (S112);Bad (p-S112)

Research Background

The protein encoded by BAD 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 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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