

Product datasheet

Anti-Phosphoserine antibody (Biotin) ab9335

2 References 画像数 1

製品の概要

製品名	Anti-Phosphoserine antibody (Biotin)
製品の詳細	Rabbit polyclonal to Phosphoserine (Biotin)
由来種	Rabbit
標識	Biotin
特異性	Specifically recognizes both free-phosphoserine, serine-phosphorylated peptide and proteins. Does not cross-react with ATP, phosphotyrosine, peptidyl phosphothreonine and serine. Slight cross-reactivity with free phosphothreonine. Readily reacts to known phosphoproteins such as phosvitin and alpha casein.
アプリケーション	適用あり: WB, IP, ELISA
種交差性	交差種: Species independent
免疫原	BSA and KLH-phosphoserine conjugates.
ポジティブ・コントロール	Use Mouse brain extract for Western Blotting or synthetic phosphopeptide or phosvitin for ELISA.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	PBS with 0.02% sodium azide
精製度	Immunogen affinity purified
特記事項(精製)	Immunoaffinity chromatography with phosphoserine-agarose.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab9335** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

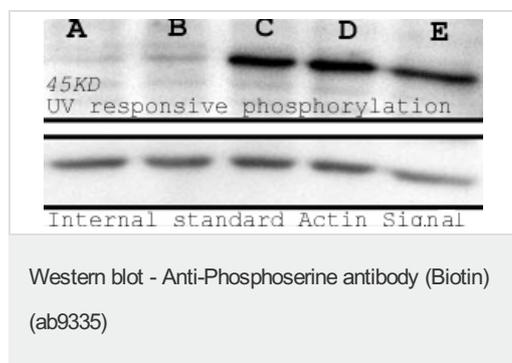
アプリ ケーション	Abreviews	特記事項
WB		Use a concentration of 4 µg/ml. Do not use milk as a blocking agent or in diluents, as milk casein is phosphorylated at several serine residues. BSA is recommended instead.
IP		Use at an assay dependent dilution.
ELISA		Use a concentration of 0.5 µg/ml.

ターゲット情報

関連性

Changes in the serine/threonine phosphorylation state of a protein in response to various external stimuli can have profound effects on cellular signal transduction, apoptosis and carcinogenesis. The reagents, including phosphorylated protein/peptides, antibodies against the phosphospecific amino acid, are important tools to explore the activation of serine, threonine or tyrosine containing proteins. An aberrant protein phosphorylation is a hallmark of human disease, and the enzymes, particularly protein kinases, which control protein phosphorylation are recognized as a major new drug target family.

画像



Western blotting of a melanoma cell lysate with anti-phosphoserine antibodies

The detected band is 53 kD, and is a similar size to the p53 tumor suppressor factor.

The cells were treated with 0, 50, 200 or 400 J UV (lane A to D, respectively) and with 0.1µM of okadaic acid(lane E). Actin level was measured as an internal standard of cell protein.

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