

Mouse Monoclonal Antibody to

BAD

clone 5E6

Order No.: 0072-100/BAD-5E6

Size (µg) 100

Lot No.: 0072S



www.nanotools.de

orders & support:

email: info@nanotools.de

phone: +49-7641-455 670

fax: +49-7641-455 671

02/080507F

Isotype	Species	Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human		IP, WB (see note), ICC, IHC	19 kDa	none		recombinant human BAD

Background and Specificity:

BAD is an important regulatory protein controlling cell survival/apoptosis. Unphosphorylated BAD heterodimerizes with Bcl-2 and Bcl-XL, thus neutralizing the anti-apoptotic properties of the Bcl proteins.

Activation of different signal transduction pathways leads to phosphorylation of BAD at multiple serine residues, e.g. phosphorylation of serine 136 by PKB, serine 112 by MAPK, and serine 155 by PKA, and dissociation of the BAD/Bcl heterodimers.

mab BAD-5E6 specifically binds the BAD protein but does not recognize BAD/Bcl-2 heterodimers in immunoprecipitation assays.

NOTE: We recommend to use mab BAD-5E6 for IP applications. The mab is also suitable for Western-blot applications if cells overexpressing BAD are used.

Related Products

mab to PKB (phospho-Ser 473)
#0108-100/PKB-11E6

mab to PKB (dephospho-Ser 473)
#0049-100/PKB-11A11

mab to PKB alpha, Akt-1
#0144-100/PKBa-5G12

mab to PKB beta, Akt-2
#0179-100/PKBb-8B7

mab to PKB
#0119-100/PKB-5C10

Purification:	The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.
Formulation:	lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.
Reconstitution:	Reconstitute with 1 ml H ₂ O (15 min, RT).
Stability:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
	Avoid repeated freeze / thaw cycles.
Positive Control:	none
Immunoblotting:	0.5 µg/ml for HRPO/ECL detection. Recommended blocking buffer: Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.
Immunoprecipitation:	use at 1 - 2 µg/ml
Immunocytochemistry:	ND
ELISA:	ND

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