Product Datasheet

BAD Antibody

Catalog No: #32330

Package Size: #32330-1 50ul #32330-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

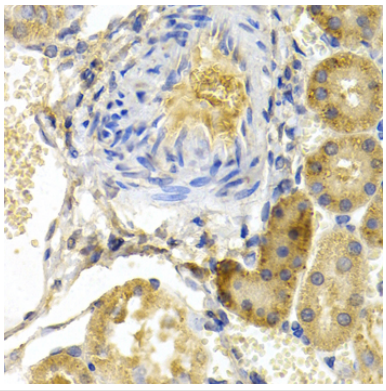
Description

Product Name	BAD Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IHC,IF
Species Reactivity	Human,Mouse,Rat
Specificity	The antibody detects endogenous level of total BAD protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human BAD.
Target Name	BAD
Other Names	BBC2; BCL2L8;
Accession No.	Swiss-Prot:Q92934NCBI Gene ID:572
Uniprot	Q92934
GeneID	572;
SDS-PAGE MW	18KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

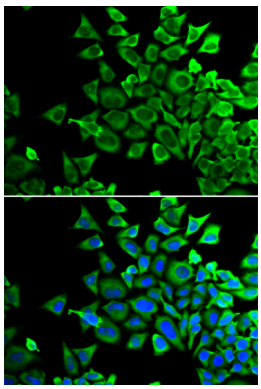
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:10 - 1:100

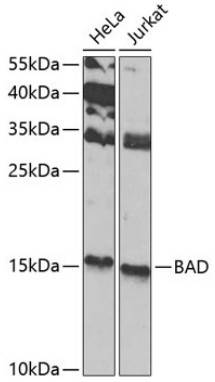
Images



Immunohistochemistry of paraffin-embedded rat kidney using BAD at dilution of 1:200 (40x lens).



Immunofluorescence analysis of HeLa cells using BAD . Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using BAD at 1:1000 dilution.

Background

Bad is a proapoptotic member of the Bcl-2 family that promotes cell death by displacing Bax from binding to Bcl-2 and Bcl-xL (1,2). Survival factors, such as IL-3, inhibit the apoptotic activity of Bad by activating intracellular signaling pathways that result in the phosphorylation of Bad at Ser112 and Ser136 (2). Phosphorylation at these sites promotes binding of Bad to 14-3-3 proteins to prevent an association between Bad with Bcl-2 and Bcl-xL (2). Akt phosphorylates Bad at Ser136 to promote cell survival (3,4). Bad is phosphorylated at Ser112 both in vivo and in vitro by p90RSK (5,6) and mitochondria-anchored PKA (7). Phosphorylation at Ser155 in the BH3 domain by PKA plays a critical role in blocking the dimerization of Bad and Bcl-xL (8-10).

Note: This product is for in vitro research use only