

Bad Rabbit pAb

CatalogNo: YT0432

| Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- IHC, IF, ELISA

MW

- 18kD (Calculated)

Isotype

- IgG

| Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

| Recommended Dilution Ratios

IHC 1:100-1:300

ELISA 1:10000

IF 1:50-200

| Basic Information

Clonality Polyclonal

| Immunogen Information

Immunogen The antiserum was produced against synthesized peptide derived from human BAD. AA range:61-110

Specificity Bad Polyclonal Antibody detects endogenous levels of Bad protein.

| Target Information

Gene name BAD

Protein Name Bcl2 antagonist of cell death

Organism	Gene ID	UniProt ID
Human	572;	Q92934;
Mouse	12015;	Q61337;
Rat	64639;	Q35147;

Cellular Localization Mitochondrion outer membrane. Cytoplasm . Colocalizes with HIF3A in the cytoplasm (By similarity) . Upon phosphorylation , locates to the cytoplasm. .

Tissue specificity Expressed in a wide variety of tissues.

Function Domain: Intact BH3 motif is required by BIK , BID , BAK , BAD and BAX for their pro-apoptotic activity and for their interaction with anti-apoptotic members of the Bcl-2 family. ,Function: Promotes cell death. Successfully competes for the binding to Bcl-X (L) , Bcl-2 and Bcl-W , thereby affecting the level of heterodimerization of these proteins with BAX. Can reverse the death repressor activity of Bcl-X (L) , but not that of Bcl-2 (By similarity) . Appears to act as a link between growth factor receptor signaling and the apoptotic pathways. ,online information: Bcl 2-associated death promoter entry ,PTM: Phosphorylated on one or more of Ser-75 , Ser-99 , Ser-118 and Ser-134 in response to survival stimuli , which blocks its pro-apoptotic activity. Phosphorylation on Ser-99 or Ser-75 promotes heterodimerization with 14-3-3 proteins. This interaction then facilitates the phosphorylation at Ser-118 , a site within the BH3 motif , leading to the release of Bcl-X (L) and the promotion of cell survival. Ser-99 is the major site of AKT/PKB phosphorylation , Ser-118 the major site of protein kinase A (CAPK) phosphorylation. ,similarity: Belongs to the Bcl-2 family. ,subcellular location: Upon phosphorylation , locates to the cytoplasm. ,subunit: Forms heterodimers with the anti-apoptotic proteins , Bcl-X (L) , Bcl-2 and Bcl-W. Also binds protein S100A10 (By similarity) . The Ser-75/Ser-99 phosphorylated form binds 14-3-3 proteins. ,tissue specificity: Expressed in a wide variety of tissues. ,

Validation Data

Contact information

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