

## Bad (N-term)

Rabbit Monoclonal Antibody | Product Data Sheet

Catalog# 1541-1

**Quantity:** 100ul

**Clone ID:** Y208

**Species Cross-reactivity\*** + Human + Mouse + Rat

**Applications:** + WB + IHC + ICC + IP + FC

**Lot #:** Please refer to vial

**Molecular Wt.:** 23 kDa

**UniProt ID:** Q92934

**Background:** Bad is a pro-apoptotic member of the Bcl-2 family. Bad will bind preferentially Bcl-xL over Bcl-2 through its partial (9-16 a.a) BH3 domain. Additionally, Bad can reverse the death repressor activity of Bcl-xL but not of Bcl-2. Upon dephosphorylation, activated Bad translocates to the mitochondria and displace Bcl-2 from tBid sequestration to initiate mitochondrial dysfunction. The switching on/off of its phosphorylation by growth/survival factors regulates Bad activity.

**Specificity:** A synthetic peptide corresponding to residues in the N-term of human Bad was used as immunogen. The antibody does not cross-react with other Bcl-2 members.

**Storage Condition and Buffer:** Store at -20 °C. Buffer: Antibody buffer, sodium azide, glycerol, and BSA. Stable for 12 months from date of receipt.

**Recommended Dilutions:**

**WB:** 1:1,000 - 10,000

**IHC:** 1:100 - 250

**ICC:** 1:250 - 500

**IP:** 1:100

**FC:** 1:50

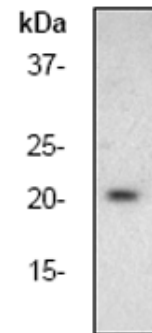
**Background References:**

1. Greider, C.W., and Blackburn, E.H. (1985). Cell 43, 405-413
2. Feng J, Funk WD, Wang SS, et al. Science 1995; 269:1236-41
3. Greider, C.W. (1996). Telomere length regulation. Annu. Rev. Biochem. 65, 337-365
4. Shay JW, Cacchetti SA, Eur J Cancer. 1997;33:787-791

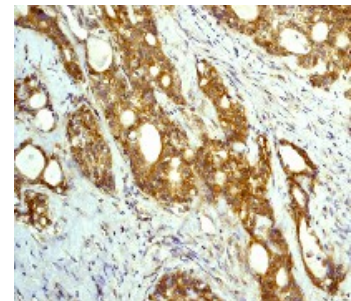
\*Mouse cross reactivity tested by western blot and IHC

Rat cross reactivity tested by western blot only

Product QC'd by:



**Fig 1. A.** Western blot analysis on HeLa cell lysate using anti-Bad (N-term) RabMAb (cat. # 1541-1), dilution 1:5,000.



**Fig 2. B.** Immunohistochemical staining of paraffin-embedded human lymphoma using anti-Bad (N-term) RabMAb (cat. # 1541-1)

**For research use only. Not for use in diagnostic or therapeutic applications.**

This product was manufactured under U.S. Patent No. 5,675,063. For a complete list of protocols and available related products, please visit [www.epitomics.com](http://www.epitomics.com)  
Epitomics, Inc., 863 Mitten Road, Suite 103 Burlingame, California 94010-1303

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