Order: 0571-88177686
Fax: 0571-88177681
Support: support@biolynx.cn

Rev.: 2018/12/5

BAX
Recombinant Rabbit Monoclonal Antibody
Product Datasheet

Catalog# BX00043
Clone# RR647

Predicted Molecular Wt: 21kDa
Species Cross-reactivity: Human Mouse Rat
Species cross-reactivity determined by WB
Applications: WB IHC-P FC IP

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q07812

Background:
Accelerates programmed cell death by binding to, and antagonizing the apoptosis repressor BCL2 or its adenovirus homolog E1B 19k protein. Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of cytochrome c that then triggers apoptosis. Promotes activation of CASP3, and thereby apoptosis.

Immunogen:
Synthetic peptide according to the aa 1-100 (C terminus) of BAX was used as an immunogen.

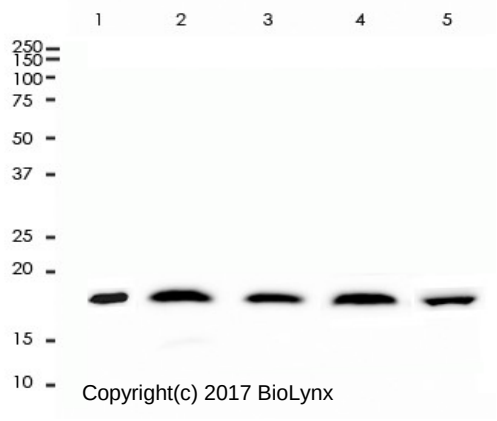
Storage Buffer:
PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage conditions:
-20°C.

Storage instructions:
Shipped on blue ice. Upon delivery, aliquot, and store at -20°C. Avoid freeze / thaw cycles.

Recommended Dilutions:

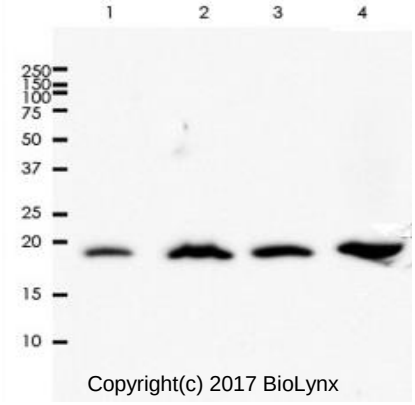
WB:	1:1,000 - 1:2,500
IHC-P:	1:1,600 - 1:3,200
FC:	1:100 - 1:400
IP:	1:25



All lanes: Anti-BAX antibody at 1:1,000 dilution
Predicted MW: 21 kDa
Observed MW: 21 kDa

Lane 1: OVCAR-3
Lane 2: A549
Lane 3: HT-29
Lane 4: SH-SY5Y
Lane 5: LnCap

Lysates at 10 µg per lane
2nd Ab:
GAR HRP(H+L) 1:10,000
Exposure: 120s



All lanes: Anti-BAX antibody at 1:1,000 dilution
Predicted MW: 21 kDa
Observed MW: 21 kDa

Lane 1: Mouse Kidney
Lane 2: Rat Brain
Lane 3: Rat Kidney
Lane 4: Rat Liver

Lysates at 10 µg per lane
2nd Ab:
GAR HRP(H+L) 1:10,000
Exposure: 120s

Background References:

1. Singh A., Sci Rep 6:37426 (2016).

2. Oltvai Z.N., Cell 74:609-619 (1993).

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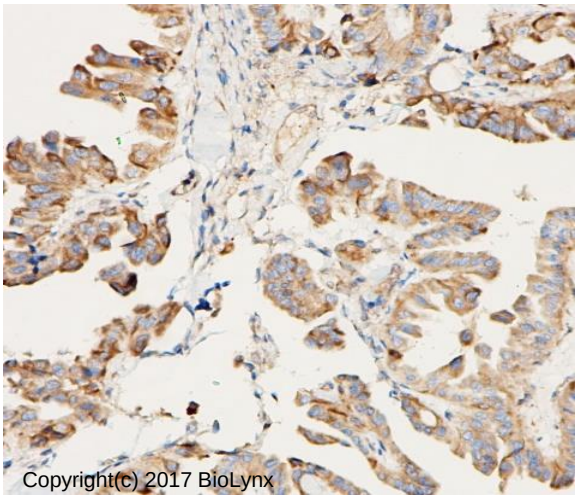
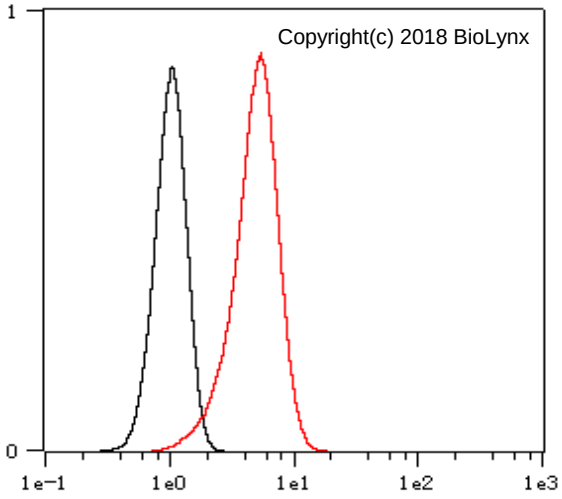
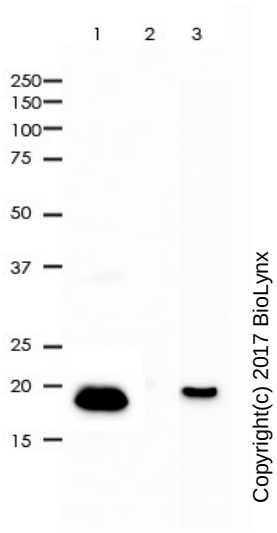


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human ovarian cancer tissue labelling BAX with RR647 at 1:1,600. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9.0.



Overlay histogram showing Hela cells stained with RR647 (Red). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 0.1% TritonX-100 for 15 min. The cells were then incubated in the antibody (RR647, 1:400 dilution) in 1x PBS/1% BSA for 30 min at room temperature. The secondary antibody used was a Goat Anti-Rabbit Alexa Fluor® 488 (IgG H+L) at 1:2,000 dilution for 20 min at room temperature. Unlabelled sample (Black) was used as a control.



BAX was immunioprecipitated from 0.5mg HT-29 whole cell lysate with RR647 at 1:25 dilution.
2nd Ab:
GAR HRP for IP 1:500

1. RR647 IP in HT-29 whole cell lysate
2. PBS instead of RR647 in HT-29 whole cell lysate
3. HT-29 whole cell lysate, 10 µg (input)

Exposure:30s

Product QC'd by:

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