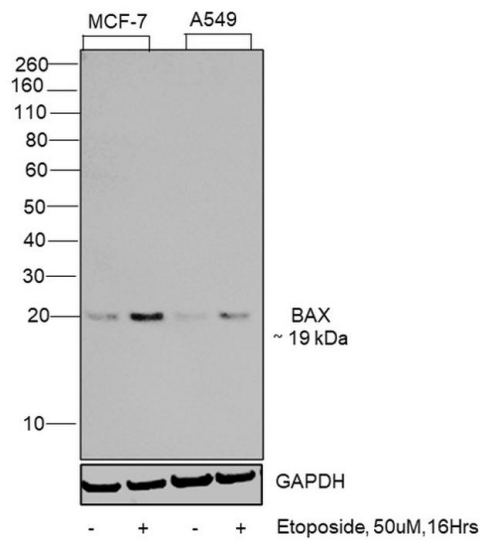


# Bax Monoclonal Antibody (2D2)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate
Published Species	Rat, Bacteria, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	2D2
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to a sequence at the N-terminal of the human protein.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533132

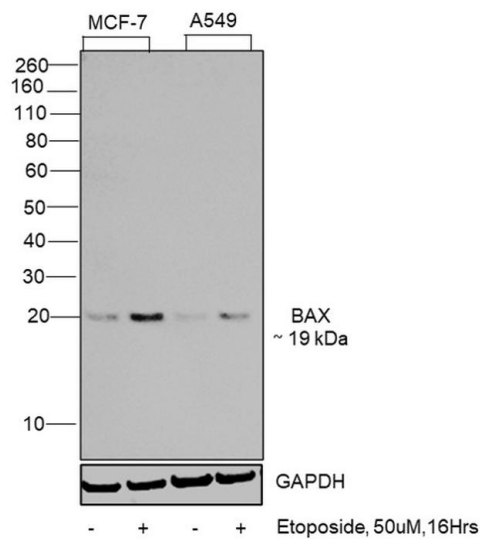
Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:1,000	19 Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:500	5 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
ELISA (ELISA)	Assay-dependent	1 Publication
Immunoprecipitation (IP)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	5 Publications

Product Images For Bax Monoclonal Antibody (2D2)



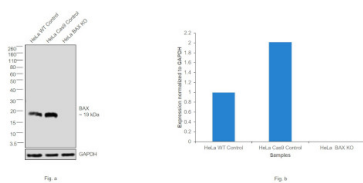
Bax Antibody (33-6400)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Bax Monoclonal Antibody (2D2)(Product #33-6400), shows expression of BAX was found to be up regulated upon etoposide treatment in A549 and MCF-7 cells. {TM}



Bax Antibody (33-6400) in WB

Western blot was performed using Anti-Bax Monoclonal Antibody (2D2)(Product # 33-6400) and a 19kDa band corresponding to Bax was observed across cell lines tested. Whole cell extracts (30 µg lysate) of MCF7 (Lane 1), MCF7 treated with Etoposide (50uM, 16 Hrs.) (Lane 2), A549 (Lane 3), A549 treated with Etoposide (50uM, 16 Hrs.) (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 Dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177,1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).Expression of BAX was found to be up regulated upon etoposide treatment in A549 and MCF-7 cells.



Bax Antibody (33-6400)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in Bax KO cell line compared to control cell line using Anti-Bax Monoclonal Antibody (2D2) (Product # 33-6400). {KO}

View more figures on [thermofisher.com](https://thermofisher.com)

Western Blot (19)

<p>Open medicine (Warsaw, Poland)</p> <p><b>IncRNA ELFN1-AS1 enhances the progression of colon cancer by targeting miR-4270 to upregulate AURKB.</b></p> <p>"33-6400 was used in Western Blotting to show that the ELFN1-AS1/miR-4270/AURKB axis facilitates colon cancer (CC) tumorigenesis; therefore, targeting this axis might be a promising intervention in preventing CC progression."</p> <p>Authors: Peng S,Luo Y,Chen L,Dai K,Wang Q</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>Pharmaceuticals (Basel, Switzerland)</p> <p><b>The Anti-Melanoma Effect of Betulinic Acid Functionalized Gold Nanoparticles: A Mechanistic In Vitro Approach.</b></p> <p>"33-6400 was used in Western Blotting to propose a biological in vitro assessment of betulinic acid (BA)-functionalized GNP."</p> <p>Authors: Ghiulai R,Mioc A,Racoviceanu R,Mioc M,Milan A,Prodea A,Semenescu A,Dehelean C,Barbu Tudoran L,Avram Ț,Trandafirescu C,Țoica C</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:500</p>

[View more WB references on thermofisher.com](#)

Immunohistochemistry (4)

<p>Thoracic cancer</p> <p><b>Identification of a novel circ_0001946/miR-1290/SOX6 ceRNA network in esophageal squamous cell cancer.</b></p> <p>"Published figure using Bax monoclonal antibody (Product # 33-6400) in Immunohistochemistry"</p> <p>Authors: Wang J,Yao W,Li J,Zhang Q,Wei L</p>	<p>Year 2022</p>
<p>Journal of cutaneous pathology</p> <p><b>Pilomatrix carcinoma with lymph node metastases.</b></p> <p>"33-6400 was used in immunohistochemistry to report on a case of pilomatrix carcinoma with lymph node metastases"</p> <p>Authors: Bassarova A,Nesland JM,Sedloev T,Danielsen H,Christova S</p>	<p>Year 2004</p> <p>Dilution 1:100</p>

[View more IHC references on thermofisher.com](#)

More applications with references on thermofisher.com

- IHC (P) (5)
- ICC/IF (2)
- ELISA (1)
- Misc (5)

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