

# BRCA2 Monoclonal Antibody (234403)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	234403
Conjugate	Unconjugated
Immunogen	E. coli-derived recombinant human BRCA2 Met1-Thr200
Form	Lyophilized
Concentration	0.5 mg/mL
Purification	Protein A/G
Storage buffer	PBS with 5% trehalose
Contains	No Preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2608610

Applications	Tested Dilution	Publications
Western Blot (WB)	0.2 µg/mL	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	5-25 µg/mL	-
Immunocytochemistry (ICC/IF)	-	1 Publication

## Product Specific Information

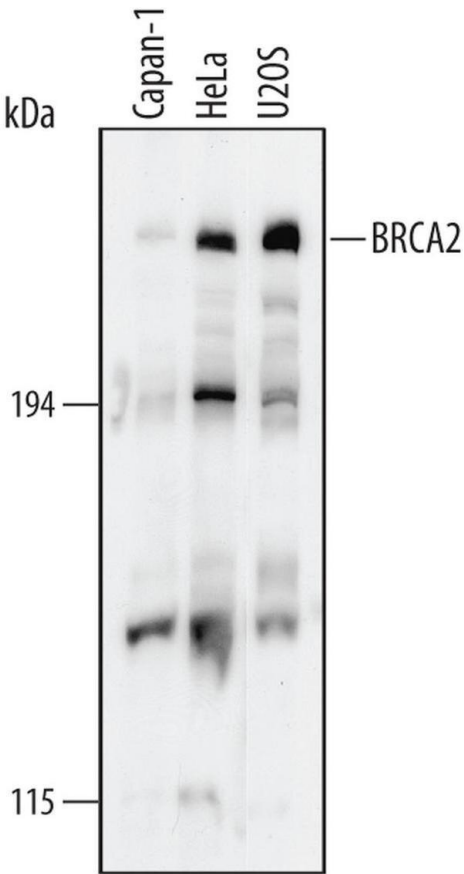
This antibody detects endogenous human BRCA2.

Reconstitute at 0.5 mg/mL in sterile PBS.

Product Images For BRCA2 Monoclonal Antibody (234403)

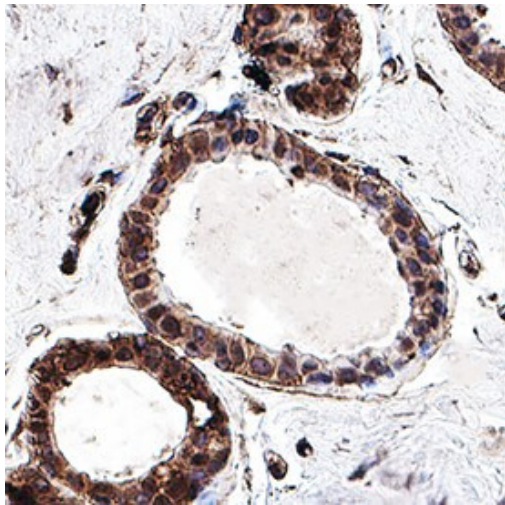
BRCA2 Antibody (MA5-23942) in WB

Western blot analysis from lysates of Capan-1 human pancreatic adenocarcinoma cell line, HeLa human cervical epithelial carcinoma cell line, and U2OS human osteosarcoma cell line. PVDF membrane was probed with 0.2 µg /mL of human BRCA2 Monoclonal Antibody (Product # MA5-23942) followed by HRP-conjugated Anti-mouse IgG Secondary Antibody. A specific band was detected for BRCA2 at approximately 380 kDa (as indicated). This experiment was conducted under reducing conditions.



BRCA2 Antibody (MA5-23942) in IHC (P)

BRCA2 in Human Breast Cancer Tissue. BRCA2 was detected in immersion fixed paraffin-embedded sections of human breast cancer tissue using BRCA2 Monoclonal Antibody (Product # MA5-23942) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG HRP Antibody. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval. Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm and nuclei in epithelial cells.



Western Blot (1)

Cells	Year 2023
<b>Olaparib-Resistant <i>BRCA2</i><sup>MUT</sup> Ovarian Cancer Cells with Restored <i>BRCA2</i> Abrogate Olaparib-Induced DNA Damage and G2/M Arrest Controlled by the ATR/CHK1 Pathway for Survival.</b>	
"Published figure using <i>BRCA2</i> monoclonal antibody (Product # MA5-23942) in Western Blot"	
Authors: Biegaa ,Gajek A,Marczak A,Rogalska A	

Immunocytochemistry (1)

Molecular cancer research : MCR	Year 2019
<b>Loss of MAP3K7 Sensitizes Prostate Cancer Cells to CDK1/2 Inhibition and DNA Damage by Disrupting Homologous Recombination.</b>	
"MA5-23942 was used in Immunocytochemistry-immunoflourescence to demonstrate that loss of MAP3K7 is a main contributing factor to drug response through disruption of HR in prostate cancer."	
Authors: Washino S,Rider LC,Romero L,Jillson LK,Affandi T,Ohm AM,Lam ET,Reyland ME,Costello JC,Cramer SD	
Species Human	

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