

# Product Datasheet

## CAPZA1 Antibody (A2E7-R)

### NBP3-32104

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-32104****CAPZA1 Antibody (A2E7-R)**

<b>Product Information</b>	
<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	A2E7-R
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	PBS (pH7.4), 0.1% BSA and 40% Glycerol
<b>Target Molecular Weight</b>	33 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse CAPZA1 Antibody (A2E7-R) (NBP3-32104) is a recombinant monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	829
<b>Gene Symbol</b>	CAPZA1
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein within Human CAPZA1 aa 60-248 / 286. (Uniprot: P52907)
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:1000

## Images

Western Blot: CAPZA1 Antibody (A2E7-R) [NBP3-32104] - Western blot analysis of CAPZA1 on different lysates with Mouse anti-CAPZA1 antibody (NBP3-32104) at 1/5,000 dilution.

Lane 1: K-562 cell lysate  
 Lane 2: 293T cell lysate  
 Lane 3: Jurkat cell lysate  
 Lane 4: HeLa cell lysate  
 Lane 5: HepG2 cell lysate  
 Lane 6: A549 cell lysate  
 Lane 7: NIH/3T3 cell lysate  
 Lane 8: RAW264.7 cell lysate  
 Lane 9: C2C12 cell lysate  
 Lane 10: PC-12 cell lysate

Lysates/proteins at 20 ug/Lane.

Predicted band size: 33 kDa  
 Observed band size: 33 kDa

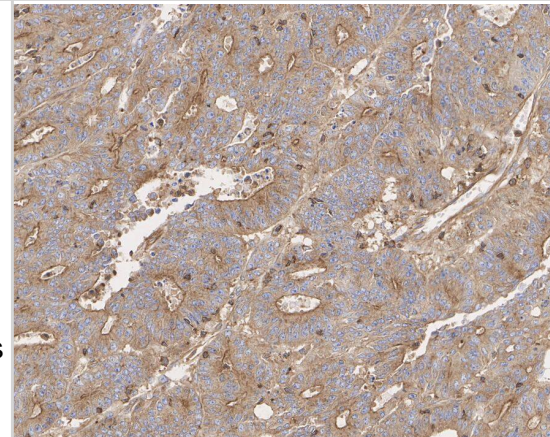
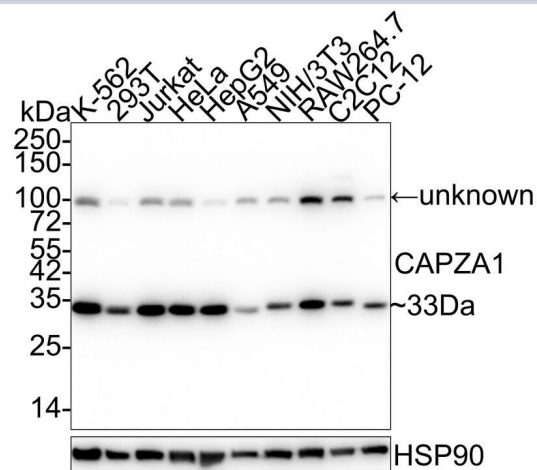
Exposure time: 46 seconds;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (NBP3-32104) at 1/5,000 dilution was used in 5% NFDM/TBST at 4C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.

Immunohistochemistry: CAPZA1 Antibody (A2E7-R) [NBP3-32104] - Immunohistochemical analysis of paraffin-embedded human colon cancer tissue with Mouse anti-CAPZA1 antibody (NBP3-32104) at 1/1,000 dilution.

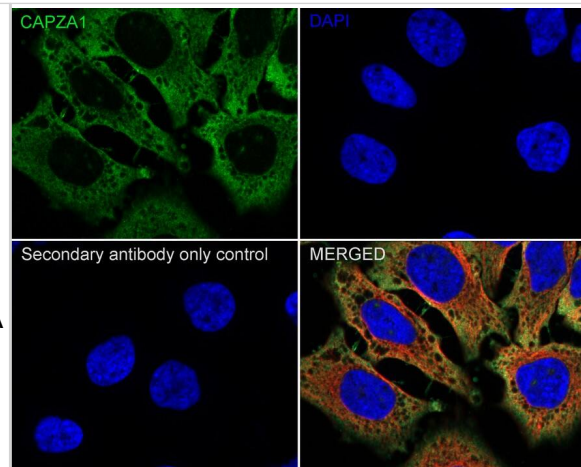
The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody (NBP3-32104) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunocytochemistry/ Immunofluorescence: CAPZA1 Antibody (A2E7-R) [NBP3-32104] - Immunocytochemistry analysis of HeLa cells labeling CAPZA1 with Mouse anti-CAPZA1 antibody (NBP3-32104) at 1/100 dilution.

Cells were fixed in 4% paraformaldehyde for 20 minutes at room temperature, permeabilized with 0.1% Triton X-100 in PBS for 5 minutes at room temperature, then blocked with 1% BSA in 10% negative goat serum for 1 hour at room temperature. Cells were then incubated with Mouse anti-CAPZA1 antibody (NBP3-32104) at 1/100 dilution in 1% BSA in PBST overnight at 4 °C. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. PBS instead of the primary antibody was used as the secondary antibody only control. Nuclear DNA was labelled in blue with DAPI.

beta Tubulin (red) was stained at 1/100 dilution overnight at +4 °C. Goat Anti-Rabbit IgG H&L (iFluor™ 594) were used as the secondary antibody at 1/1,000 dilution.





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### **Products Related to NBP3-32104**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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