

Product Datasheet

p97/VCP Antibody (5) NB120-11433-0.025 ml

Unit Size: 0.025 ml

Store at -20C. Avoid freeze-thaw cycles.

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NB120-11433-0.025 ml

p97/VCP Antibody (5)

Product Information

Unit Size	0.025 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5
Preservative	0.05% Sodium Azide
Isotype	IgG2a
Purity	Unpurified
Buffer	Ascites

Product Description

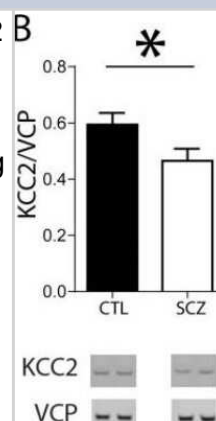
Host	Mouse
Gene ID	7415
Gene Symbol	VCP
Species	Human, Mouse, Rat, Monkey, Yeast
Reactivity Notes	Monkey reactivity reported in scientific literature (PMID: 27929047).
Specificity/Sensitivity	This detects VCP protein in human, mouse, and rat samples.
Immunogen	Synthetic peptide corresponding to residues C G(792) G S V Y T E D N D D D L Y G(806) of mouse VCP.

Product Application Details

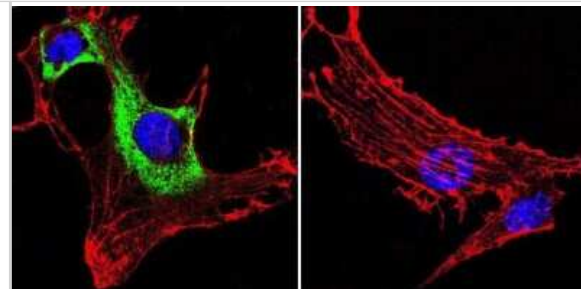
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:2000, Flow Cytometry 1:400, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:20 - 1:200, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:500, Immunohistochemistry-Frozen 1:500
Application Notes	WB: Detects an approx. 97 kDa protein.

Images

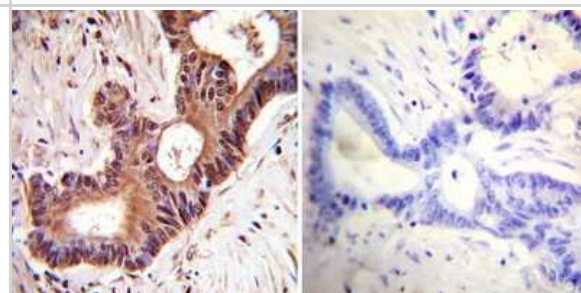
Western Blot: p97/VCP Antibody (5) [NB120-11433] - NKCC1 and KCC2 Expression in DLPFC. Expression of K-Cl cotransporter (KCC2) protein in the DLPFC in control subjects (CTL) and subjects with schizophrenia (SCZ) and in subjects with schizophrenia on and off medication for at least 6 weeks. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pone.0123158>), licensed under a CC-BY license.



Immunocytochemistry/Immunofluorescence: p97/VCP Antibody (5) [NB120-11433] - Analysis of VCP using VCP Monoclonal antibody (5) shows staining in C6 glioma cells. VCP staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing VCP at a dilution of 1:20-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunohistochemistry-Paraffin: p97/VCP Antibody (5) [NB120-11433] - Both normal and cancer biopsies of deparaffinized Human colon carcinoma tissues.



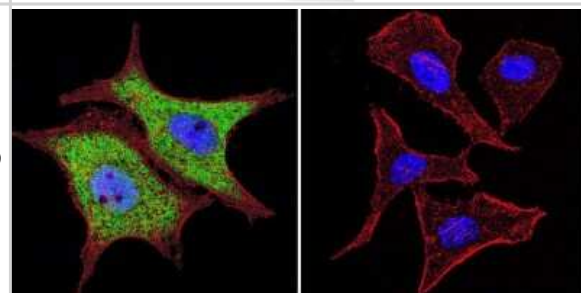
Western Blot: p97/VCP Antibody (5) [NB120-11433] - Analysis of CA46 cell lysate.

Fig. 1

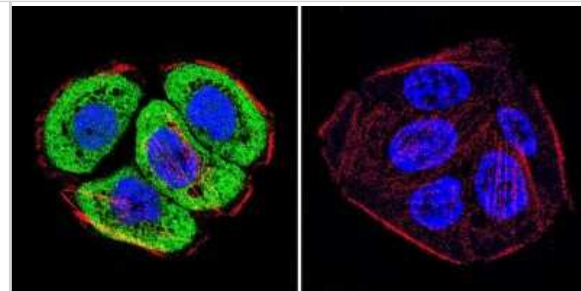
VCP



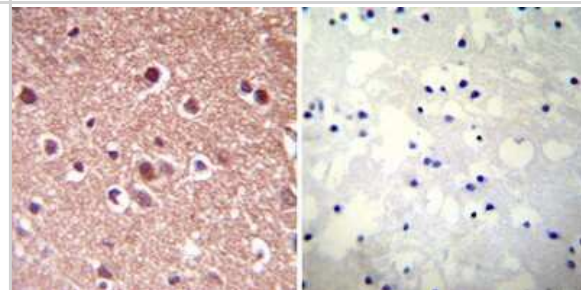
Immunocytochemistry/Immunofluorescence: p97/VCP Antibody (5) [NB120-11433] - Analysis of VCP using VCP Monoclonal antibody (5) shows staining in WiDr colon carcinoma cells. VCP staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing VCP at a dilution of 1:20-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunocytochemistry/Immunofluorescence: p97/VCP Antibody (5) [NB120-11433] - VCP staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing VCP at a dilution of 1:20-1:200 over night at 4C, washed with PBS and incubated with a DyLight-488 conjugated.



Immunohistochemistry-Paraffin: p97/VCP Antibody (5) [NB120-11433] - Both normal and cancer biopsies of deparaffinized Human brain tissue tissues.



Publications

Tiwari A, Copeland CA, Han B et al. Caveolin-1 is an aggresome-inducing protein Sci Rep. 2016-12-07 [PMID: 27929047] (ICC/IF, Monkey)

Brody MJ, Vanhoutte D, Bakshi CV et al. Disruption of valosin-containing protein activity causes cardiomyopathy and reveals pleiotropic functions in cardiac homeostasis. J Biol Chem. 2019-04-21 [PMID: 31006653] (WB, Rat)

Sullivan CR, Funk AJ, Shan D et al. Decreased chloride channel expression in the dorsolateral prefrontal cortex in schizophrenia PLoS ONE 2015-04-01 [PMID: 25826365] (WB, Rat, Human)



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