

Product Datasheet

VDAC1 Antibody (S152B-23) - BSA Free NBP2-42187

Unit Size: 0.1 mg

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

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NBP2-42187

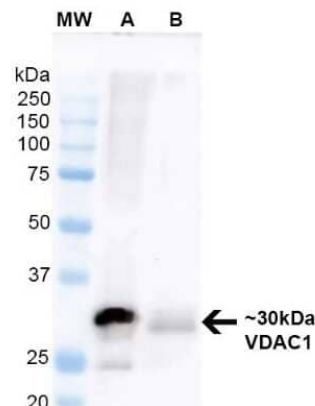
VDAC1 Antibody (S152B-23) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	S152B-23
Preservative	0.1% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS (pH 7.4), 50% Glycerol
Product Description	
Host	Mouse
Gene ID	7416
Gene Symbol	VDAC1
Species	Human, Mouse, Rat
Reactivity Notes	Immunogen displays sequence identity for non-tested species: Mouse and Rat.
Specificity/Sensitivity	Greater then 60% identity with VDAC2 and VDAC3.Detects approx 30kDa. Does not cross-react with VDAC2 or VDAC3 (based on KO validation results).
Immunogen	Fusion protein amino acids 1-283 (full-length) of human VDAC1. Mouse: 98% identity (279/283 amino acids identical). Rat: 98% identity (279/283 amino acids identical) >60% identity with VDAC2 and VDAC3.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence
Application Notes	1 ug/ml of VDAC1 Antibody was sufficient for detection of VDAC1 in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary Antibody.

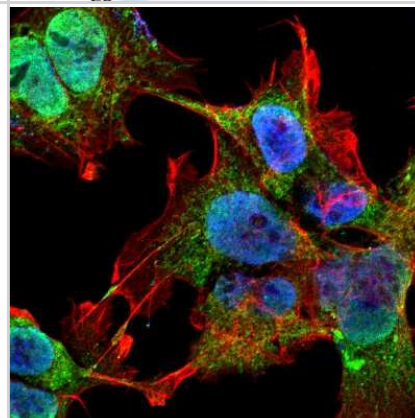


Images

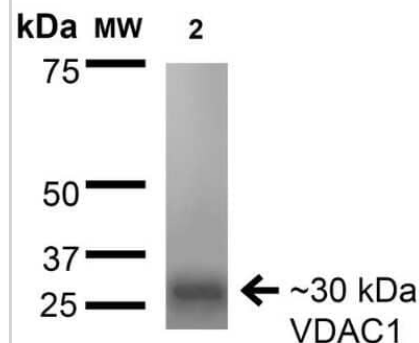
Western Blot: VDAC1 Antibody (S152B-23) [NBP2-42187] - Western Blot analysis of Mouse Brain and Human RT-4 lysates showing detection of ~30 kDa VDAC1 protein using Mouse Anti-VDAC1 Monoclonal Antibody, Clone S152B-23 (NBP2-42187). Lane 1: Molecular Weight Ladder. Lane A: Mouse Brain Lysate. Lane B: Human RT-4 Lysate. Block: 5% Skim milk in TBST . Primary Antibody: Mouse Anti-VDAC1 Monoclonal Antibody (NBP2-42187) at 1:200 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: ~30 kDa.



Immunocytochemistry/Immunofluorescence: VDAC1 Antibody (S152B-23) [NBP2-42187] - Tissue: Neuroblastoma cell line SK-N-BE. Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-VDAC1 Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT. Localization: Mitochondrion, Mitochondrion Outer Membrane, Nucleus. Magnification: 60X.



Western Blot: VDAC1 Antibody (S152B-23) [NBP2-42187] - Western Blot analysis of Rat Brain Membrane showing detection of ~30 kDa VDAC1 protein using Mouse Anti-VDAC1 Monoclonal Antibody, Clone S152B-23 (NBP2-42187). Lane 1: Molecular Weight Ladder. Lane 2: Rat Brain Membrane. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-VDAC1 Monoclonal Antibody (NBP2-42187) at 1:200 for 16 hours at 4C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: ~30 kDa.





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Products Related to NBP2-42187

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
H00007416-Q03-10ug	Recombinant Human VDAC1 GST (N-Term) Protein

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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