

Product Datasheet

Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) - BSA Free NBP2-61739

Unit Size: 0.1 ml

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

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NBP2-61739

Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) - BSA Free

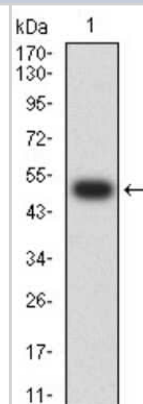
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	7F10G1
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	56.4 kDa

Product Description	
Host	Mouse
Gene ID	1139
Gene Symbol	CHRNA7
Species	Human
Immunogen	Purified recombinant fragment of human Nicotinic Acetylcholine R alpha 7/CHRNA7 (AA: extra 52-259) expressed in E. Coli.

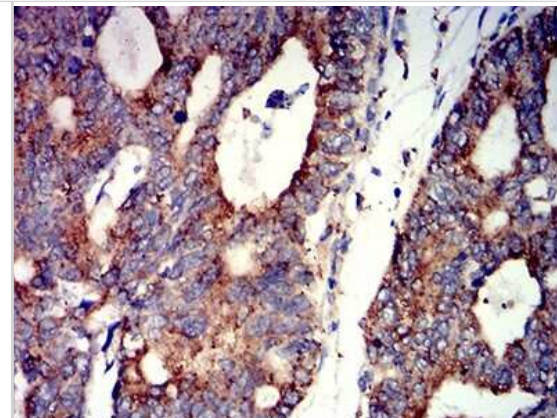
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000

Images

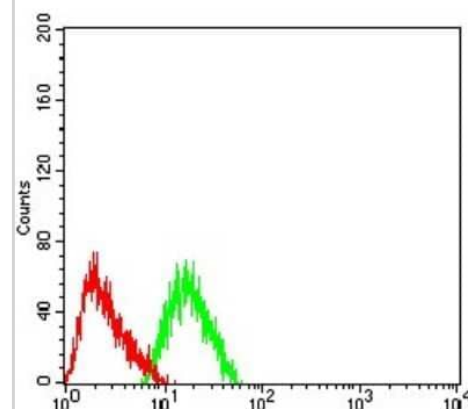
Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) [NBP2-61739] - Analysis using CHRNA7 mAb against human CHRNA7 (AA: extra 52-259) recombinant protein. (Expected MW is 50.4 kDa)



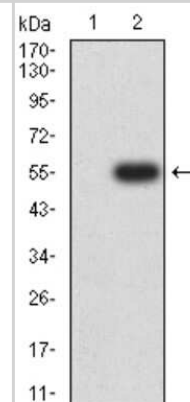
Immunohistochemistry-Paraffin: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) [NBP2-61739] - Analysis of rectum cancer tissues using CHRNA7 mouse mAb with DAB staining.



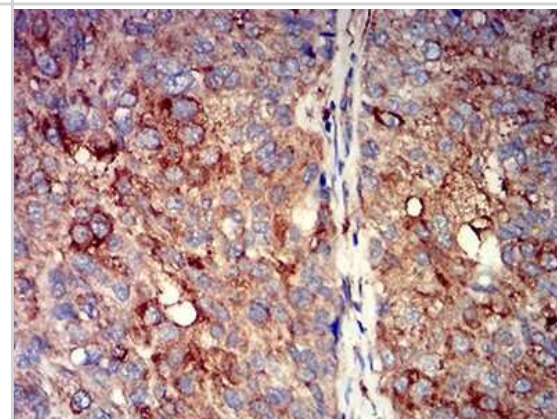
Flow Cytometry: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) [NBP2-61739] - Analysis of SH-SY5Y cells using CHRNA7 mouse mAb (green) and negative control (red).



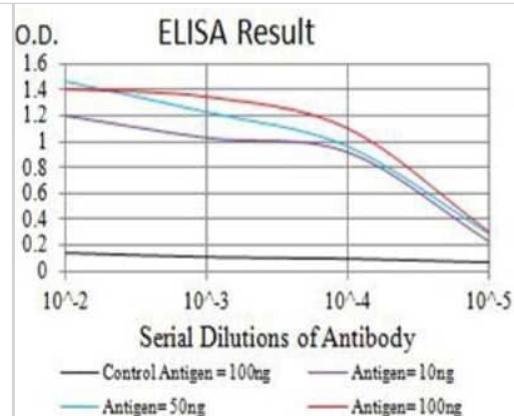
Western Blot: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) [NBP2-61739] - Analysis using CHRNA7 mAb against HEK293 (1) and CHRNA7 (AA: extra 52-259)-hlgGfc transfected HEK293 (2) cell lysate.



Immunohistochemistry-Paraffin: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) [NBP2-61739] - Analysis of bladder cancer tissues using CHRNA7 mouse mAb with DAB staining.



ELISA: Nicotinic Acetylcholine R alpha 7/CHRNA7 Antibody (7F10G1) [NBP2-61739] - Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Publications

Kuol N, Godlewski J, Kmiec Z et al. Cholinergic signaling influences the expression of immune checkpoint inhibitors, PD-L1 and PD-L2, and tumor hallmarks in human colorectal cancer tissues and cell lines BMC cancer 2023-10-12 [PMID: 37828429] (ICC/IF, IHC-P, Human)

Kuol N, Davidson M, Karakkat J et al. Blocking Muscarinic Receptor 3 Attenuates Tumor Growth and Decreases Immunosuppressive and Cholinergic Markers in an Orthotopic Mouse Model of Colorectal Cancer International Journal of Molecular Sciences 2022-12-29 [PMID: 36614038] (IHC-Fr, Mouse)

Kuol N, Godlewski J, Kmiec Z Et Al. Cholinergic signalling influences the expression of immune checkpoint inhibitors, PD-L1 and PD-L2, in human colorectal cancer tissues and cell lines Research Square 2021-07-07 (ICC/IF)



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Products Related to NBP2-61739

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
H00001139-Q01-10ug	Recombinant Human Nicotinic Acetylcholine R alpha 7/CHRNA7 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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