

# Product Datasheet

## Ly-6H Antibody (3E10) - Azide and BSA Free H00004062-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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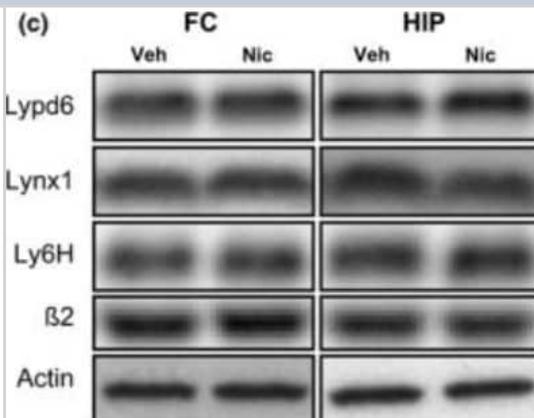
**H00004062-M01**

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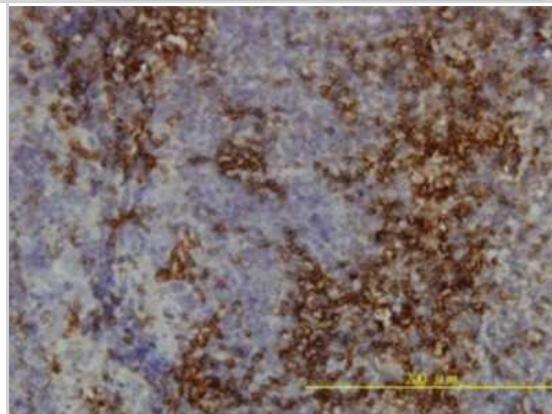
Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3E10
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	PBS (pH 7.4)
Product Description	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	4062
<b>Gene Symbol</b>	LY6H
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Rat reactivity reported in scientific literature (PMID: 23860910 and 25716842).
<b>Specificity/Sensitivity</b>	LY6H - lymphocyte antigen 6 complex, locus H
<b>Immunogen</b>	LY6H (AAH28894, 26 a.a. ~ 140 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. LWCQDCTLTTNSSHCTPKQCQPSDTVCASVRITDPSSSRKDHSVNMKMCASSC DFVKRHHFFSDYLMGFINSGLKVDVDCCEKDLNCGAAGAGHSPWALAGLLLS LGPALLWAGP
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry 1:10-1:500, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	This antibody reactivity against cell lysate and recombinant protein for WB. It has been used for IHC-P and ELISA. Use in ICC reported in scientific literature (PMID: 25716842). Use in immunoprecipitation reported in scientific literature (PMID: 25716842). Use in Immunohistochemistry reported in scientific literature (PMID: 25716842).

## Images

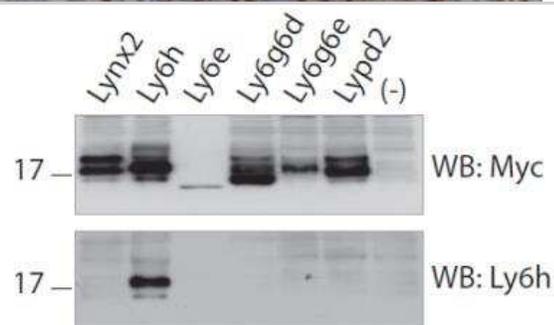
Western Blot: Ly-6H Antibody (3E10) [H00004062-M01] - Short-term nicotine exposure does not alter Lypd6, Lynx1, or Ly6H levels in the brain. Lypd6, Lynx1, Ly6H, and Beta2 nAChR subunit protein levels were analyzed in (a) frontal cortex (FC) and hippocampal (HIP) tissue from rats administered nicotine (0.4 mg/kg s.c., twice daily) or vehicle (0.9% saline) for 7 days from day 8-14 or (b) 54-60 (n = 8). (c and d) Representative images of western blots summarized in (a) and (b), respectively. Image collected and cropped by CiteAb from the following publication ([//doi.wiley.com/10.1111/jnc.13718](https://doi.wiley.com/10.1111/jnc.13718)) licensed under a CC-BY license.



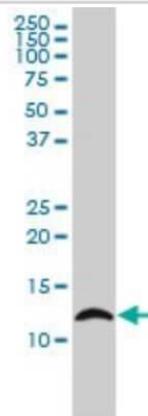
Immunohistochemistry-Paraffin: Ly-6H Antibody (3E10) [H00004062-M01] - Analysis of monoclonal antibody to LY6H on formalin-fixed paraffin-embedded human tonsil tissue. Antibody concentration 2 ug/ml.



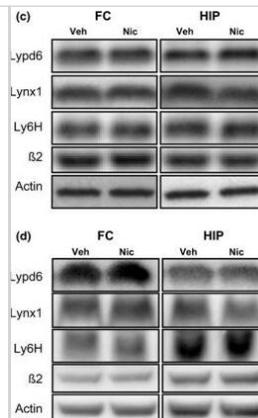
Western Blot: Ly-6H Antibody (3E10) [H00004062-M01] - Ly-6H in mouse Ly-6H proteins using anti-Ly-6H antibody. Image from verified customer review.



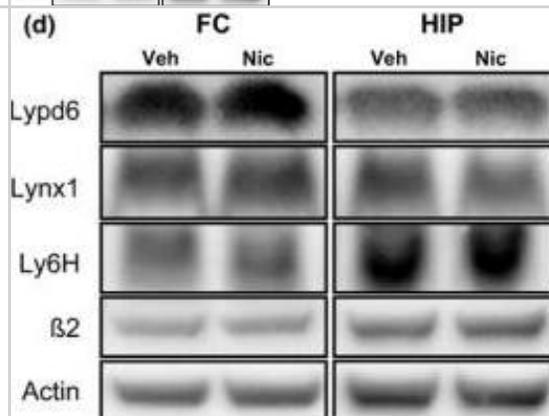
Western Blot: Ly-6H Antibody (3E10) [H00004062-M01] - LY6H monoclonal antibody (M01), clone 3E10 Analysis of LY6H expression in K-562.



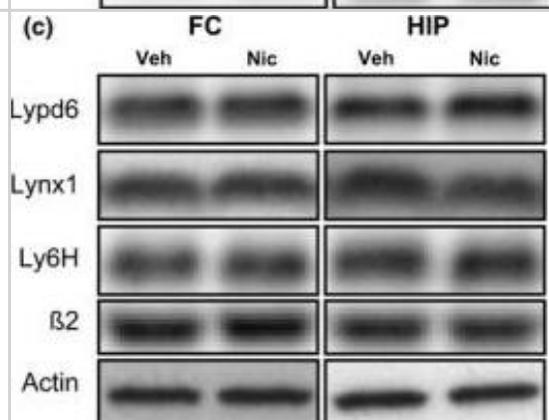
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Western Blot: Ly-6H Antibody (3E10) [H00004062-M01] - Short-term nicotine exposure does not alter Lypd6, Lynx1, or Ly6H levels in the brain. Lypd6, Lynx1, Ly6H, &  $\beta 2$  nAChR subunit protein levels were analyzed in (a) frontal cortex (FC) & hippocampal (HIP) tissue from rats administered nicotine (0.4 mg/kg s.c., twice daily) or vehicle (0.9% saline) for 7 days from day 8–14 or (b) 54–60 (n = 8). (c & d) Representative images of western blots summarized in (a) & (b), respectively. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/27344019>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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## Publications

Arvaniti M, Jensen MM, Soni N et al. Functional interaction between Lypd6 and nicotinic acetylcholine receptors. *J Neurochem* 2016-09-01 [PMID: 27344019] (WB)

Grier BD, Belluscio L, Cheetham CE. Olfactory Sensory Activity Modulates Microglial-Neuronal Interactions during Dopaminergic Cell Loss in the Olfactory Bulb. *Front Cell Neurosci* 2016-07-15 [PMID: 27471450] (WB, Rat)

Kalinowska M, Castillo C, Francesconi A. Quantitative profiling of brain lipid raft proteome in a mouse model of fragile x syndrome. *PLoS One*. 2015-04-07 [PMID: 25849048]

Puddifoot CA, Wu M, Sung RJ, Joiner WJ. Ly6h regulates trafficking of alpha7 nicotinic acetylcholine receptors and nicotine-induced potentiation of glutamatergic signaling. *J. Neurosci.* 2015-02-25 [PMID: 25716842] (IP, IF/IHC, WB, Human)

Thomsen MS, Cinar B, Jensen MM et al. Expression of the Ly-6 family proteins Lynx1 and Ly6H in the rat brain is compartmentalized, cell-type specific, and developmentally regulated. *Brain Struct Funct* 2013-07-17 [PMID: 23860910] (WB, Rat)



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### Products Related to H00004062-M01

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00004062-P01-10ug	Recombinant Human Ly-6H GST (N-Term) Protein

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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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