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Date : 2018/01/31

Catalog Number GTX213110-01 Package:1 ml Reference (108)

Product Name Rabbit IgG antibody (HRP)

Synonyms antiRabbit IgG antibody, anti-Rabbit IgG antibody, Goat antiRabbit IgG HRP, Rabbit IgG secondary antibody, Goat anti-Rabbit IgG HRP, anti Rabbit IgG antibody, Goat anti Rabbit IgG HRP

Background Immunoglobulin G (IgG), is one of the most abundant proteins in serum with normal levels between 8-17 mg/ml in adult blood. IgG is important for our defence against microorganisms and the molecules are produced by B lymphocytes as a part of our adaptive immune response. The IgG molecule has two separate functions; to bind to the pathogen that elicited the response and to recruit other cells and molecules to destroy the antigen. The variability of the IgG pool is generated by somatic recombination and the number of specificities in an individual at a given time point is estimated to be 1011 variants.

Host Goat

Clonality Polyclonal

Isotype IgG

Immunogen Highly purified whole rabbit IgG

Antigen Species Rabbit

Cross Reactivity Note Rabbit

Applications Dot, ELISA, ICC/IF, IHC-P, WB

Application Note

	Suggested dilution	Reference
Dot blot	Assay-dependent dilution	
ELISA	Assay-dependent dilution	
Immunocytochemistry/ Immunofluorescence (ICC/IF)	Assay-dependent dilution	
IHC (Formalin-fixed paraffin-embedded sections)	1:100-1:1000*	
Western Blot (WB)	Assay-dependent dilution	

Not tested in other applications.
*Optimal dilutions/concentrations should be determined by the researcher.

Conjugation HRP

Form Supplied Liquid

Purification Purified by antigen-affinity chromatography.

Concentration 0.51 mg/ml (Please refer to the vial label for the specific concentration)

Storage Buffer 0.05M Tris, 0.15M NaCl (pH7.4), 1%BSA. 0.025% ProClin 300 was added as a preservative.

Storage Instruction Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Notes For *In vitro* laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Application Reference

1. Lin KT (2018) *Am J Chin Med* 1-16
2. Chang CW (2017) *Stem Cell Res* 21-24
3. Chou WH (2018) *Anticancer Res* 169-178
4. Chung YC (2018) *Mol Med Rep* 3260-3266
5. Wu LH (2017) *J Cell Physiol*
6. Huang KY (2017) *J Microbiol Immunol Infect*
7. Hsieh MS (2017) *PLoS One* e0188170
8. Yeh CJ (2017) *Sci Rep* 15599

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9. Lai YH (2018) *Theranostics* 486-504
10. Shih YL (2017) *In Vivo* 1103-1114
11. Wree A (2014) *Hepatology* 898-910
12. Huang CT (2017) *Journal of Materials Chemistry B*
13. Schagdarsurengin U (2017) *Cell Commun Signal* 40
14. Queval CJ (2017) *Cell Rep* 3188-3198
15. Lee WY (2017) *Int J Mol Sci*
16. Liao HF (2017) *PLoS One* e0185021
17. Liu C (2017) *Phytomedicine*
18. Chan SM (2017) *Sci Rep* 8646
19. Zhang Y (2017) *Front Physiol* 517
20. Yang HY (2013) *PLoS One* e81592
21. Cheng MF (2017) *Mar Drugs*
22. Pillay S (2017) *J Virol*
23. Huang CC (2014) *J Cell Sci* 3024-38
24. Tsai LK (2014) *Mol Ther* 1450-9
25. McCready J (2014) *Cancers (Basel)* 1031-46
26. Hong JB (2014) *PLoS One* e89396
27. Aihara M (2014) *J Cell Sci* 3184-96
28. Hsu HY (2014) *Oncotarget* 7870-85
29. Wang WS (2014) *Exp Ther Med* 435-441
30. Takino J (2017) *AJMB* 87-98
31. Hung HH (2017) *Mol Cell Neurosci* 35-45
32. Chang HW (2017) *PLoS One* e0175586
33. Borlin CS (2014) *Cell Commun Signal* 56
34. Wang X (2017) *Nat Commun* 14091
35. Hsu HY (2017) *Sci Rep* 44990
36. Mowry A.V. (2017) *Ecology and Evolution*
37. Huang CK (2017) *Nat Commun* 14706
38. Lenka G (2017) *Sci Rep* 42573
39. Chien CH (2015) *PLoS One* e0115827
40. Takino J (2015) *World J Gastroenterol* 1784-93
41. Chang YF (2015) *Oncotarget* 85-100
42. Kung PJ (2014) *Drug Des Devel Ther* 1929-39
43. Yeh CC (2015) *BMC Anesthesiol* 92
44. Chen CC (2016) *PLoS One* e0168092
45. Su PY (2016) *Sci Rep* 38959
46. Chuang YF (2015) *PLoS One* e0137177
47. Lin WC (2015) *Am J Cancer Res* 3350-62
48. Juang V (2016) *Int J Nanomedicine* 6047-6064
49. Tsai LK (2016) *Hum Mol Genet* 631-41
50. Ho IL (2015) *Sci Rep* 16948
51. Huang YH (2015) *Sci Rep* 15900
52. Popov LM (2015) *Proc Natl Acad Sci U S A* 14337-42
53. Lin MF (2015) *PLoS One* e0141107
54. Yang HH (2016) *Proteomics Clin Appl*
55. Lee JD (2016) *Urology*
56. Chien CH (2016) *BMC Cancer* 871
57. Guo X (2016) *Int J Clin Exp Pathol* 9984-9992
58. Huang JY (2016) *Sci Rep* 34740
59. Schagdarsurengin U (2016) *Urol Int*
60. Takeuchi A (2016) *J Autoimmun*
61. Ciceri P (2016) *Atherosclerosis* 93-101
62. Li H (2016) *Appl. Mater. Interfaces*
63. Lin HH (2016) *J. Mater. Chem. B.*
64. Yang WK (2016) *Comp Biochem Physiol B Biochem Mol Biol* 23-30
65. Chen CC (2016) *PLoS One* e0158662
66. Huang YH (2016) *PLoS One* e0158839
67. Chen CM (2016) *Exp Mol Pathol* 44-49
68. Marceau C.D. (2016) *Nature* 159-63
69. Huang SC (2016) *mSphere*
70. Huang HH (2016) *Int J Nanomedicine* 1237-51
71. Ni K (2016) *Hum Reprod*
72. Lin CW (2016) *Acta Biomater*
73. Choi JY (2015) *Biochem Biophys Res Commun* 883-8
74. Pillay S (2016) *Nature*
75. Chuang YC (2014) *J Virol* 13759-68
76. Chen HY (2015) *Vet Parasitol* 281-91
77. Chun-Chang Yeh (2015) *BMC Anesthesiology* 92
78. Chen WH (2015) *Cancer Lett.* 65-74
79. Rumwald Leo G (2014) *SPIE Proceedings* 894405-1
80. Yang DF (2014) *J Formos Med Assoc.* 88-93
81. Huang JH (2015) *PLoS Pathog* e1004985
82. Lee WY (2015) *Oncotarget*
83. Huang CY (2015) *Int J Mol Sci* 14171-80
84. Nils Eling (2015) *Oncoscience* 517-32
85. Kuan-Lin Kuo (2015) *Cancer Letters* 127–136
86. Heng-Hsiung Wu (2015) *Journal of Experimental Medicine [Epub ahead of print]*
87. Int J Mol Med. (2014)
88. Hsu TH (2014) *Cell Death Differ*
89. Chen HY (2014) *Vet Parasitol*
90. Zheng Y (2014) *PLoS One* e98552
91. Grossini E (2014) *J Endocrinol* 137-49
92. Wang HC (2014) *Eur J Med Chem* 312-34
93. Jagtap AD (2014) *Eur J Med Chem* 268-288
94. Wei MF (2014) *Autophagy* 1179-92
95. Tseng LC (2014) *PLoS One* e93394
96. Chen CM (2014) *Free Radic Biol Med*
97. Hsu CY (2014) *PLoS Pathog* e1003974
98. Lee JG (2014) *Toxicol In Vitro* 562-570
99. Kilgore JA (2013) *J Biol Chem* 19673-84
100. Fu PK (2012) *Evid Based Complement Alternat Med* 837513
101. Chiang HC (2012) *Respiration* 319-26
102. Xie H (2012) *PLoS One* e33087
103. Liu K (2012) *Gene* 225-30
104. Huang KH (2012) *PLoS One* e33615
105. Chang KH (2013) *Evid Based Complement Alternat Med* 471659
106. Chen YH (2012) *PLoS One* e48335
107. Lin YL (2012) *Brain Behav Immun* 459-68
108. Cheng AN (2013) *Cancer Lett* 218-25

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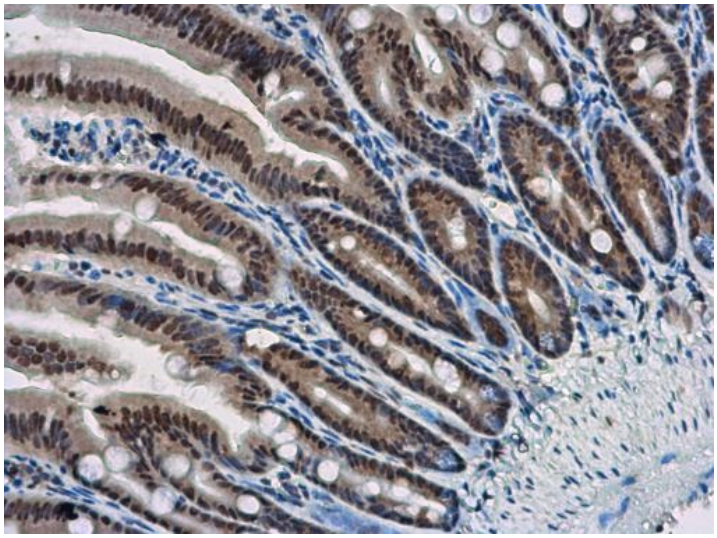
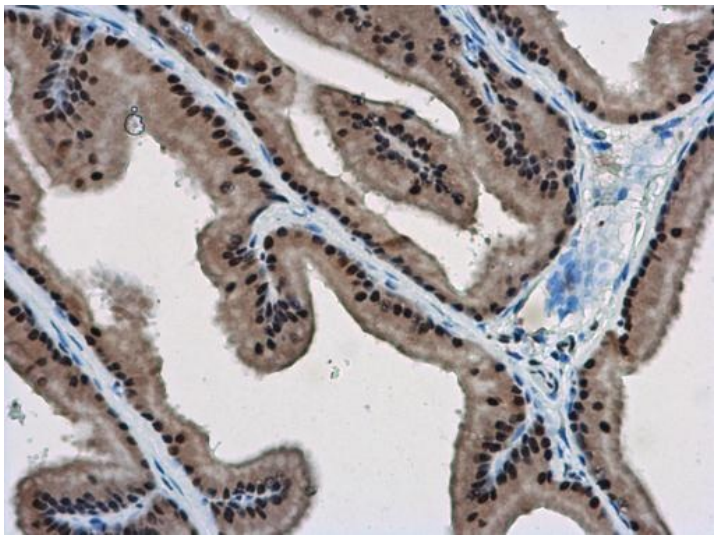


GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in mouse intestine by immunohistochemical analysis.
Sample: Paraffin-embeddedmouse intestine.
WBP11 antibody (GTX118654) diluted at 1:500.
The signal was developed byRabbit IgG antibody (HRP) (GTX213110-01)



GTX213110-01 IHC-P Image

WBP11 antibody detects WBP11 protein at nucleus in rat prostate by immunohistochemical analysis.
Sample: Paraffin-embedded rat prostate.
WBP11 antibody (GTX118654) diluted at 1:500.
The signal was developed by Rabbit IgG antibody (HRP) (GTX213110-01).

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