

AP05395HR-N

Polyclonal Antibody to Sheep/Goat IgG - HRP

Quantity:	1 ml
Concentration:	1.0 mg/ml
Host / Isotype:	Donkey / IgG
Immunogen:	Sheep IgG
Format:	State: Liquid purified IgG fraction. Purification: Affinity Chromatography. Buffer System: PBS Preservatives: 0.05% Proclin™ 300, 0.002% Methylisothiazolone and 0.002% Bromonitrodioxane Stabilizers: 1% BSA Label: HRP – Horseradish Peroxidase
Applications:	ELISA: 1/12800-1/25600. Western Blot: 1/20000. Immunohistochemistry on Paraffin Sections. Immunohistochemistry on Frozen Sections: 1/50-1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises both Sheep and Goat IgG, which are immunologically very similar. This antibody is adsorbed against Human, Rabbit, Mouse and Rat serum proteins to minimise cross-reactivity. Species: Sheep, Goat. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	(A full Health and Safety assessment is available upon request) This product contains Proclin™ 300, Methylisothiazolone, Bromonitrodioxane: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
General Readings:	1. Singh M, Cattaneo R, Billeter MA. A recombinant measles virus expressing hepatitis B virus surface antigen induces humoral immune responses in genetically modified mice. J Virol. 1999 Jun;73(6):4823-8. PubMed PMID: 10233943. 2. Tedla N, Wang HW, McNeil HP, Di Girolamo N, Hampartzoumian T, Wakefield D, et al. Regulation of T lymphocyte trafficking into lymph nodes during an immune response by the chemokines macrophage inflammatory protein (MIP)-1 alpha and MIP-1 beta. J Immunol. 1998 Nov 15;161(10):5663-72. PubMed PMID: 9820547. 3. Turner J, Gonzalez-Juarrero M, Ellis DL, Basaraba RJ, Kipnis A, Orme IM, et al. In vivo IL-10 production reactivates chronic pulmonary tuberculosis in C57BL/6 mice. J Immunol. 2002 Dec 1;169(11):6343-51. PubMed PMID: 12444141.

4. Singh SK, Kurfurst R, Nizard C, Schnebert S, Perrier E, Tobin DJ. Melanin transfer in human skin cells is mediated by filopodia--a model for homotypic and heterotypic lysosome-related organelle transfer. *FASEB J.* 2010 Oct;24(10):3756-69. doi: 10.1096/fj.10-159046. Epub 2010 May 25. PubMed PMID: 20501793.
5. Yekta MA, Goddeeris BM, Vanrompay D, Cox E. Immunization of sheep with a combination of intimin, EspA and EspB decreases *Escherichia coli* O157:H7 shedding. *Vet Immunol Immunopathol.* 2011 Mar 15;140(1-2):42-6. doi: 10.1016/j.vetimm.2010.11.010. Epub 2010 Nov 18. PubMed PMID: 21185088.
6. Guitton C, Cottureau A, Gérard N, Quillard T, Chauveau A, Devallière J, et al. Protective cross talk between activated protein C and TNF signaling in vascular endothelial cells: implication of EPCR, noncanonical NF- κ B, and ERK1/2 MAP kinases. *Am J Physiol Cell Physiol.* 2011 Apr;300(4):C833-42. doi: 10.1152/ajpcell.00003.2010. Epub 2011 Jan 12. PubMed PMID: 21228323.
7. Clinton SR, Bina JE, Hatch TP, Whitt MA, Miller MA. Binding and activation of host plasminogen on the surface of *Francisella tularensis*. *BMC Microbiol.* 2010 Mar 12;10:76. doi: 10.1186/1471-2180-10-76. PubMed PMID: 20226053.
8. Chimote AA, Kuras Z, Conforti L. Disruption of kv1.3 channel forward vesicular trafficking by hypoxia in human T lymphocytes. *J Biol Chem.* 2012 Jan 13;287(3):2055-67. doi: 10.1074/jbc.M111.274209. Epub 2011 Nov 30. PubMed PMID: 22134923.
9. Junqueira-Kipnis AP, Kipnis A, Henao Tamayo M, Harton M, Gonzalez Juarrero M, Basaraba RJ, et al. Interleukin-10 production by lung macrophages in CBA xid mutant mice infected with *Mycobacterium tuberculosis*. *Immunology.* 2005 Jun;115(2):246-52. PubMed PMID: 15885131.
10. Nicol MQ, Ligertwood Y, Bacon MN, Dutia BM, Nash AA. A novel family of peptides with potent activity against influenza A viruses. *J Gen Virol.* 2012 May;93(Pt 5):980-6. doi: 10.1099/vir.0.038679-0. Epub 2012 Jan 18. PubMed PMID: 22258859.
11. Singh B et al. (2015) *Moraxella catarrhalis* binds plasminogen to evade host innate immunity. *Infect Immun.* pii: IAI.00310-15.