

## Datasheet: STAR72

<b>Description:</b>	GOAT ANTI RAT IgG:HRP (MOUSE ADSORBED)
<b>Specificity:</b>	IgG
<b>Format:</b>	HRP
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	0.5 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			1/50
Immunohistology - Paraffin	▪			
ELISA	▪			1/1000
Western Blotting			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Rat
<b>Product Form</b>	Purified IgG conjugated to Horseradish Peroxidase (HRP) - liquid
<b>Antiserum Preparation</b>	Antisera to rat IgG were raised by repeated immunisation of goats with highly purified antigen. Purified IgG was prepared by affinity chromatography.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.01% Thiomersal
<b>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml
<b>Immunogen</b>	Rat IgG
<b>External Database</b>	<b>UniProt:</b>

**Links**

[P20759](#) [Related reagents](#)  
[P20760](#) [Related reagents](#)  
[P20761](#) [Related reagents](#)  
[P20762](#) [Related reagents](#)

**Entrez Gene:**

[299354](#) Ighg [Related reagents](#)  
[679045](#) LOC679045 [Related reagents](#)  
[362795](#) LOC362795 [Related reagents](#)

**RRID**

AB\_321935

**Specificity**

**Goat anti Rat IgG antibody** recognizes rat IgG. Cross-reactivity with mouse immunoglobulins has been removed by solid phase adsorption.

**References**

1. Sato, J. *et al.* (2003) The fibrinolytic system in dissemination and matrix protein deposition during a *mycobacterium* infection. [Am J Pathol. 163 \(2\): 517-31.](#)
2. Teupser, D. *et al.* (2004) Major reduction of atherosclerosis in fractalkine (CX3CL1)-deficient mice is at the brachiocephalic artery, not the aortic root. [Proc Natl Acad Sci. 2004 Dec 21;101\(51\):17795-800](#)
3. Piletska, V.E. *et al.* (2014) Microplates with enhanced immobilization capabilities controlled by a magnetic field [J Chin Adv Mat Soc. 2: 118-29.](#)
4. Thirunavukkarasu, S. *et al.* (2016) Cytochrome P450 1B1 Contributes to the Development of Angiotensin II-Induced Aortic Aneurysm in Male Apoe(-/-) Mice. [Am J Pathol. 186 \(8\): 2204-19.](#)
5. Hadzhieva M *et al.* (2016) Relationship between natural and heme-mediated antibody polyreactivity. [Biochem Biophys Res Commun. 472 \(1\): 281-6.](#)
6. VonFurstenberg, R.J. *et al.* (2011) Sorting mouse jejunal epithelial cells with CD24 yields a population with characteristics of intestinal stem cells. [Am J Physiol Gastrointest Liver Physiol. 300 \(3\): G409-17.](#)
7. Mueller, M.A. *et al.* (2008) Prevention of atherosclerosis by the mTOR inhibitor everolimus in LDLR-/- mice despite severe hypercholesterolemia. [Atherosclerosis. 198 \(1\): 39-48.](#)
8. Luo, Y.B. *et al.* (2013) Primary over-expression of A $\beta$ PP in muscle does not lead to the development of inclusion body myositis in a new lineage of the MCK-A $\beta$ PP transgenic mouse. [Int J Exp Pathol. 94 \(6\): 418-25.](#)
9. Janardhan, K.S. *et al.* (2012) Integrin  $\beta$ 3 is not critical for neutrophil recruitment in a mouse model of pneumococcal pneumonia. [Cell Tissue Res. 348 \(1\): 177-87.](#)
10. Schmidt, N. *et al.* (2014) Dietary vitamin D inadequacy accelerates calcification and osteoblast-like cell formation in the vascular system of LDL receptor knockout and wild-type mice. [J Nutr. 144 \(5\): 638-46.](#)
11. Harrison-findik, D.D. *et al.* (2009) Regulation of liver hepcidin expression by alcohol in vivo does not involve Kupffer cell activation or TNF-alpha signaling. [Am J Physiol Gastrointest Liver Physiol. 296 \(1\): G112-8.](#)
12. Harcourt, L.J. *et al.* (2005) Interleukin-15 administration improves diaphragm muscle pathology and function in dystrophic mdx mice. [Am J Pathol. 166 \(4\): 1131-41.](#)
13. Geoffrion, M. *et al.* (2014) Differential effects of glyoxalase 1 overexpression on

diabetic atherosclerosis and renal dysfunction in streptozotocin-treated, apolipoprotein E-deficient mice. [Physiol Rep. 2 \(6\)Jun 11 \[Epub ahead of print\]](#).

14. Elitok, S. *et al.* (2006) Cyclic arginine-glycine-aspartic acid peptide inhibits macrophage infiltration of the kidney and carotid artery lesions in apo-E-deficient mice. [Am J Physiol Renal Physiol. 290 \(1\): F159-66.](#)

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<b>Storage</b>	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Guarantee</b>	12 months from date of despatch
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10094 available at: 10094: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10094.pdf</a>
<b>Regulatory</b>	For research purposes only

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## Related Products

### Recommended Useful Reagents

[TMB SIGNAL+ \(BUF054A\)](#)

[TMB CORE \(BUF056A\)](#)

[TMB CORE+ \(BUF062A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052A\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052B\)](#)

[AbGUARD® HRP STABILIZER PLUS \(BUF052C\)](#)

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