



Data Sheet (DS) 7TM0034-SP

Issuing Date: 2024-09-13

Description	AT1 Sample Pack (phospho- and non-phospho-Angiotensin Receptor Antibodies)
Format	Purified, Liquid
Product Type	Rabbit Polyclonal Antibody
Isotype	Polyclonal IgG
Quantity	100 µl
Content	AT1 Sample Pack consisting of all four available phospho- and non-phospho-AT1 Antibodies 4 x 20 µL trial size each. Specifically, this sample pack contains the following antibodies pS331/pT332-AT1 (7TM0034A), pS335/pT336-AT1 (7TM0034B), pS346/pS347-AT1 (7TM0034C) and AT1 (non-phos, C-Term) (7TM0034N).

Product Details

Applications	This product has been reported to work in the following applications:	
		Dilution
	Western Blot	1:1000
	<p>This information is derived from testing within our laboratories and peer-reviewed publications. Please refer to references indicated for further information. For general protocol recommendations, please visit https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/</p> <p>Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.</p>	
Target Species	Human	
Product Form	Purified IgG, liquid	
Antiserum Preparation	Antiserum to Angiotensin Receptor 1 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.	
Immunogens	Synthetic phosphopeptides derived from human AT1 around the phosphorylation site of Ser331/Thr332 or Ser335/Thr336 or Ser346/Ser347. A synthetic peptide presents the carboxyl-terminal tail of human AT1.	
Storage Buffer	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide	

Specificity	<p>Serine331/Threonine332 (S331/T332) is major phosphorylation site of the Angiotensin Receptor 1 (AT1). The pS331/pT332-AT1 antibody detects phosphorylation in response to agonists. S331/T332 phosphorylation is likely to be involved in efficient ligand sequestration by AT1.</p> <p>Serine335/Threonine336 (S335/T336) is major phosphorylation site of the Angiotensin Receptor 1 (AT1). The pS335/pT336-AT1 antibody detects phosphorylation in response to agonists. S335/T336 phosphorylation is likely to be involved in efficient ligand sequestration by AT1.</p> <p>Serine346/Serine347 (S346/S347) is major phosphorylation site of the Angiotensin Receptor 1 (AT1). The pS346/pS347-AT1 antibody detects phosphorylation in response to agonists. S346/S347 phosphorylation is likely to be involved in efficient ligand sequestration by AT1.</p> <p>The non-phospho-AT1 receptor antibody is directed against the distal part of the carboxyl-terminal tail of human Angiotensin Receptor 1 (AT1). It can be used to detect total AT1 receptors in Western blots independent of phosphorylation. The non-phospho-AT1 antibody can also be used to isolate and enrich AT1 receptors from cell and tissue lysates.</p>
Guarantee	12 months from date of dispatch
Storage	<p>Store at -20°C.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.</p>
Regulatory	For research purposes only
Health and Safety Information	<p>Material Safety Data Sheet documentation is available at https://7tmantibodies.com/phosphosite-7tm-antibodies/angiotensin-receptors/at1/429/at1-sample-pack-phospho-and-non-phospho-angiotensin-receptor-antibodies?c=781 in the downloads section as:</p> <p>Safety Data Sheet EU</p> <p>Safety Data Sheet US</p>

Details of the Supplier of the Data Sheet

Supplier

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