



**Data Sheet (DS) 7TM0215A**

**Issuing Date:** 2020-05-12

Description	pT317/pS318-D2 (phospho-Dopamine Receptor 2 Antibody)
Format	Purified, Liquid
Product Type	Rabbit Polyclonal Antibody
Isotype	Polyclonal IgG
Quantity	100 µl

**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 <a href="https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/">https://7tmantibodies.com/7tm-antibodies-support/7tm-protocols/</a></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 Dopamine Receptor 2 was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.	
Immunogen	A synthetic phosphopeptide derived from human D2 around the phosphorylation site of Thr317/Ser318.	
Storage Buffer	Dulbecco's PBS, pH 7.4, with 150 mM NaCl, 0.02% sodium azide	
Specificity	Threonine317/serine318 (T317/S318) is a major phosphorylation site of the D2 dopamine receptor. The pT317/pS318-D2 antibody detects phosphorylation in response to high- and low-efficacy agonists but not after PKC activation. T317/S318 phosphorylation is a key regulator of C5a1 desensitization, β-arrestin recruitment and internalization.	
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	Material Safety Data Sheet documentation is available at	

Safety Information	<a href="https://7tmantibodies.com/7tm-phosphosite-specific-antibodies/dopamine-receptors/d2/54/pt317/ps318-d2-phospho-dopamine-receptor-2-antibody?c=84">https://7tmantibodies.com/7tm-phosphosite-specific-antibodies/dopamine-receptors/d2/54/pt317/ps318-d2-phospho-dopamine-receptor-2-antibody?c=84</a> in the downloads section as: <a href="#">Safety Data Sheet EU</a> <a href="#">Safety Data Sheet US</a>
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### **Related Products**

[D2 \(non-phospho\), Dopamine Receptor 2 Antibody](#)

[D2 \(IHC-grade\), Dopamine Receptor 2 Antibody](#)

### **Details of the Supplier of the Data Sheet**

#### **Supplier**

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