

Datasheet: AHP2700

Description:	RABBIT ANTI SMAD2 (pSer465/pSer467)/SMAD3 (pSer423/pSer425)				
Specificity:	SMAD2 (pSer465/pSer467)/SMAD3 (pSer423/pSer425)				
Format:	Purified				
Product Type:	Polyclonal Antibody				
Isotype:	Polyclonal IgG				
Quantity:	50 µl				

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 <u>www.bio-rad-antibodies.com/protocols</u> .						
	Western Blotting	I es	NO	Not Determined	Suggested Dilution 1/500 - 1/2000		
		ct has not been te	ested for u	se in a particular tecl			
	necessarily exclu	de its use in such recommended th	procedure at the use	es. Suggested workir r titrates the product	ng dilutions are given as		
Target Species	Human						
Product Form	Purified IgG - liqu	id					
Antiserum Preparatio		zation of rabbits w	vith highly	purified antigen. Puri	125) was raised by fied IgG was prepared		
Buffer Solution	Phosphate buffer	ed saline					
Preservative Stabilisers	0.02% Sodium Az 50% Glycerol	zide					
Immunogen	Phospho specific-peptide corresponding to residues surrounding serine 465/467 or SMAD2 and serine 423/425 of human SMAD3						
External Database Links		elated reagents elated reagents					

	Entrez Gene:							
	4087 SMAD2 Related reagents							
	4088 SMAD3 Related reagents							
Synonyms	MADH2, MADH3, MADR2							
Specificity	Rabbit anti SMAD2 (pSer465/pSer467)/SMAD3 (pSer423/pSer425) antibody recognizes mothers against decapentaplegic homolog 2 (SMAD2), when phosphorylated at serine 465 and serine 467 and mothers against decapentaplegic homolog 3 (SMAD3) when phosphorylated at serine 423 and serine 425. The SMAD protein family mediates transforming growth factor-beta (TGF-β) signaling from the membrane to the nucleus (Attisano, L. & Wrana, J.L. 2002). SMAD2 is phosphorylated on serine 465 and serine 467 by TGF beta type I receptor (TbetaRI). This phosphorylation is essential for SMAD2's binding to SMAD4 and for the orchestration of TGF beta signaling (Abdollah, S. et al. 1997). The antibody also recognizes SMAD3 phosphorylated on Ser423 and Ser425 by homology. The TGF beta signaling pathway is involved in many cellular processes including cell growth, differentiation and proliferation. The pathway is deregulated in various diseases, including cancer.							
Storage	Store at -20°C 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.							
Guarantee	12 months from date of despatch							
Health And Safety Information	Material Safety Datasheet documentation #10049 available at: https://www.bio-rad-antibodies.com/SDS/AHP2700 10049							
Regulatory	For research purposes only							
Related Produc	cts							
Recommended Us	seful Reagents							
RABBIT ANTI SMAD2	(VPA00182)							

RABBIT ANTI SMAD3 (VPA00166)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets 'M416502:230301'

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