

Product Datasheet

Smad3 [p Ser423, p Ser425] Antibody [Alexa Fluor® 405] NBP1-77836AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP1-77836AF405

Smad3 [p Ser423, p Ser425] Antibody [Alexa Fluor® 405]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Alexa Fluor 405
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
Gene ID	4088
Gene Symbol	SMAD3
Species	Human, Mouse
Reactivity Notes	A BLAST analysis was used to suggest cross reactivity with Smad3 from <i>Xenopus laevis</i> , <i>Xenopus tropicalis</i> , zebrafish, swine, bovine and chicken based on 100% sequence homology with the immunogen. Reactivity against homologues from other sources is not known
Specificity/Sensitivity	This affinity-purified antibody is directed against the phosphorylated form of human Smad3 protein at the pS423 and pS425 residues. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human Smad3 pS423 and pS425 protein and the antibody is specific for the phosphorylated form of the protein. Reactivity with non-phosphorylated human Smad3 is minimal by ELISA and western blot. Expect reactivity against phosphorylated Smad1 and Smad5. Negligible reactivity is seen against other phosphorylated Smad family members. A BLAST analysis was used to suggest cross reactivity with Smad3 from human, <i>Xenopus laevis</i> , <i>Xenopus tropicalis</i> , zebrafish, rat, mouse, swine, bovine and chicken based on 100% sequence homology with the immunogen. Reactivity against homologues from other sources is not known.
Immunogen	Smad3 [p Ser423, p Ser425] Antibody was prepared from whole rabbit serum produced by repeated immunizations with a dual phosphorylated synthetic peptide corresponding to a c-terminal region with Serine 423 and Serine 425 of human Smad3 protein. (Uniprot: P84022)

Notes	<p>Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.</p>
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Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Single Cell Western
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Single Cell Western
Application Notes	Optimal dilution of this antibody should be experimentally determined.



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Products Related to NBP1-77836AF405

NBP2-24891AF405	Rabbit IgG Isotype Control [Alexa Fluor® 405]
NBP1-30284	Recombinant Human Smad3 His Protein
7754-BH-005/CF	TGF-beta 1 [Unconjugated]
NBP2-76621	Rat Smad3 ELISA Kit (Colorimetric)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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