

Product Datasheet

Smad3 [p Ser425, p Ser423] Antibody [CoraFluor™ 1] NBP1-77836CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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NBP1-77836CL1

Smad3 [p Ser425, p Ser423] Antibody [CoraFluor™ 1]

| 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. Do not freeze. |
| Clonality | Polyclonal |
| Preservative | No Preservative |
| Isotype | IgG |
| Conjugate | CoraFluor 1 |
| Purity | Immunogen affinity purified |
| Buffer | PBS |
| Product Description | |
| Description | CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(IM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays. |
| 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) |

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| Notes | CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254 |
| 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 NBP1-77836CL1

| | |
|----------------|-------------------------------------|
| NBP1-30284 | Recombinant Human Smad3 His Protein |
| 7754-BH-005/CF | TGF-beta 1 [Unconjugated] |
| NBP2-76621 | Rat Smad3 ELISA Kit (Colorimetric) |
| 210-TA-005 | TNF-alpha [Unconjugated] |

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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