

Anti-Phospho-SMAD3 (S423+S425) Antibody

Catalog Number: P00059-2

About SMAD3

Mothers against decapentaplegic homolog 3 also known as SMAD family member 3 or SMAD3 is a protein that in humans is encoded by the SMAD3 gene. SMAD3 is a member of the SMAD family of proteins. It is located in 15q22.33. And it mediates the signals from the transforming growth factor beta (TGF-beta) super family ligands that regulate cell proliferation, differentiation and death. Based on its essential role in TGF beta signaling pathway, SMAD3 has been related with tumor growth in cancer development.

Overview

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| Product Name | Anti-Phospho-SMAD3 (S423+S425) Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Phospho-SMAD3 (S423+S425) Antibody catalog # P00059-2. Tested in WB, IHC, ICC, IF applications. This antibody reacts with Human, Mouse, Rat. |
| Application | IF, IHC, ICC, WB |
| Clonality | Polyclonal |
| Formulation | 500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required. |
| Storage Instructions | 12 months from date of receipt at -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing. |
| Host | Rabbit |
| Uniprot ID | P84022 |

Technical Details

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| Immunogen | A synthesized peptide derived from human Smad3 around the phosphorylation site of Ser423+Ser425. |
| Form | Liquid |
| Concentration | 500 ug/ml |
| Purification | Protein A affinity purified. |
| Suggested Dilutions | Western blot, 1:500-2000 Immunohistochemistry, 1:50-200 Immunocytochemistry/Immunofluorescence, 1:50-200 |

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