

## Product Data Sheet: Phospho-Smad3-S423/S425

**Cat. No:** ABP-0630

Conjugate: Unconjugated

Size: 100 ug
Clone: Poly
Concentration: 1mg/ml

Host: Rb Isotype: IgG

**Immunogen:** A phospho specific peptide corresponding to residues surrounding S423/S425 of

human Smad3

**Reactivity:** Hu, Ms

**Applications:** Western Blot: 1:1000 Immunohistochemistry: 1:50-1:200

Molecular Weight: Calculated MW: 25kDa/35kDa/43kDa/48kDa Observed MW: 48kDa

**Purification:** Affinity purification

**Synonyms:** HSPC193;HsT17436;JV15-2;LDS1C;LDS3;MADH3

The protein encoded by this gene belongs to the SMAD, a family of proteins

similar to the gene products of the Drosophila gene 'mothers against

decapentaplegic' (Mad) and the C. elegans gene Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling

pathways. This protein functions as a transcriptional modulator activated by transforming growth factor beta and is thought to play a role in the regulation of

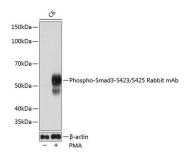
carcinogenesis.

Form: liquid

**Background:** 

**Buffer:** PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

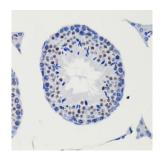
**Storage:** Store at -20°C. Avoid freeze / thaw cycles.



Western blot analysis of extracts of C6 cells, using Phospho-Smad3- S423/S425 Rabbit at1:1000 dilution.C6 cells were treated by PMA/TPA (200 nM) at 37°C for 10 minutes. Secondary antibody: HRP Goat Anti- Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL West Pico Plus. Exposure time: 60s.



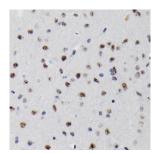
Immunohistochemistry of paraffin embedded human esophageal using Phospho-Smad3-S423/S425 antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin embedded mouse testis using Phospho-Smad3-S423/S425 antibody at dilution of 1:100 (40x lens).



## **Product Data Sheet:** Phospho-Smad3-S423/S425



Immunohistochemistry of paraffin embedded rat brain using Phospho-Smad3-S423/S425 antibody at dilution of 1:100 (40x lens).

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