

## Phospho-Smad3 (Ser213) Ab

Cat.#: AF3366 Size: 100ul,200ul	Concn.: 1mg/ml Source: Rabbit	Mol.Wt.: 48kDa Clonality: Polyclonal
Application:	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500	
Reactivity:	Human,Mouse,Rat	
Purification:	The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.	
Specificity:	Phospho-Smad3 (Ser213) Ab detects endogenous levels of Smad3 only when phosphorylated at Serine 213.	
Immunogen:	A synthesized peptide derived from human Smad3 around the phosphorylation site of Serine 213.	
Uniprot:	P84022	
Description:	Smad3 transcription factor pho TGF-beta-type receptors. A rece smad). Binds directly to consen the promoters of target genes. establishemnt of the mucosal in development of skeleton.	eptor-regulated Smad (R- isus DNA-binding elements in In mouse required for
Subcellular Location:	Cytoplasm. Nucleus. Cytoplasm of TGF-beta. On TGF-beta stimu nucleus when complexed with S Through the action of the phosy from the SMAD2/SMAD4 comple nucleus by interaction with RAM PubMed:19289081). Co-localize inner membrane (PubMed:1560 phosphorylation appears to hav (PubMed:19218245). PDPK1 pro translocation in response to TG	ulation, migrates to the SMAD4 (PubMed:15799969). phatase PPM1A, released ex, and exported out of the NBP1 (PubMed:16751101, es with LEMD3 at the nucleus D1644). MAPK-mediated ve no effect on nuclear import events its nuclear
Similarity:	The MH1 domain is required for ions which are necessary for th domain is required for both hor interactions and for transcriptic nuclear import.The linker region mediated transcriptional activit with the MH2 domain.Belongs t	e DNA binding.The MH2 nomeric and heteromeric onal regulation. Sufficient for n is required for the TGFbeta- ry and acts synergistically
Storage Condition and Buffer:	Rabbit IgG in phosphate buffere NaCl, 0.02% sodium azide and °C.Stable for 12 months from d	50% glycerol.Store at -20

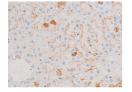


Affinity Biosciences website:www.affbiotech.com order:order@affbiotech.com



Western blot analysis of Phospho-Smad3 (Ser213) Ab expression in HT29 cells lysates. The lane on the right is treated with the antigen-specific peptide.

Western blot analysis of Smad3 phosphorylation expression in HT29 whole cell lysates,The lane on the left is treated with the antigen-specific peptide.



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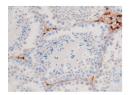
AF3366 at 1/200 staining Rat liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3366 at 1/200 staining Mouse lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3366 at 1/200 staining Mouse liver tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.



AF3366 at 1/200 staining Mouse testis tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.





AF3366 at 1/200 staining Human prostate tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat antirabbit Ab was used as the secondary.



AF3366 staining NIH-3T3 by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary Ab was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary Ab.

<code>IMPORTANT:</code> For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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