Product Data Sheet

pSmad2 (S465/467)		*Catalog#:*	D6658-pSmad2
Rabbit antiserum			Rev. February 2018

Quantity:	0.1 ml serum	***Lot #***	Please refer to vial
Clone ID:	polyclonal	***Mol Weight:***	55-60kDa
Species Cross-Reactivity:	Human, mouse, rat, bovine	***Swiss Prot:***	n/a
Applications:	WB, IHC-P, ICC, IP	***Price:***	US $

Background:
n/a

Specificity:
The antiserum was raised against a synthetic peptide corresponding to the conserved C terminal serine residues present in Smad2 that get phosphorylated in response to stimulation by TGF-ß.

Storage:
The antiserum contains 50% glycerol for storage at -20°C.

Purity:
Non-purified antiserum with 50% glycerol.

Recommended Dilution*:
Western blotting (1:2,000-10,000)
Immunohistochemistry paraffin/formalin (1:500-3,000)
Immunocytochemsitry (1:500-3,000)
Immunoprecipitation
Other applications not tested.
**Final dilution needs to be optimized by user.*

Application Notes:
For immunohistochemistry, heat antigen retrieval with citrate buffer (10mM, pH6.0, 0.05% Tween-20) is recommended.

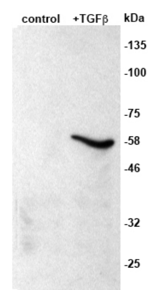

Fig.1 Western blot of RAW264.7 cells stimulated with 10ng/ml TGF-ß1 were probed with D6658 pSmad2/3 antibody (1:2000 dilution).

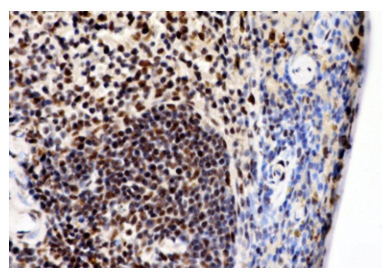

Fig. 2. Immunohistochemistry with pSmad2 antiserum on formalin fixed, paraffin embedded mouse spleen showing nuclear pSmad2 (1:1000 dilution).

References:
LeClair RJ, et al. Circ.Res. 100:826-833 (2007)
Tang Y, et al. J Vasc. Res. 48(6): 485–494 (2011)