



Smad3 Polyclonal Antibody

Cat #: ABP0120

Size: 100µl

Product Information

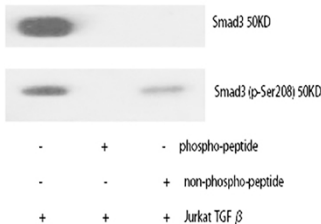
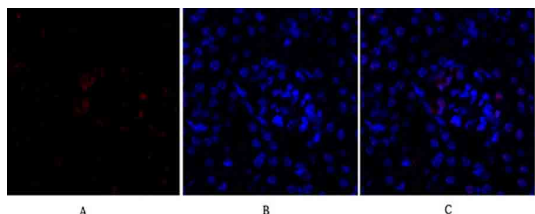
	Product Name: Smad3 Polyclonal Antibody		
	Applications: WB, IF, IHC-P, ELISA		Isotype: Rabbit IgG
	Reactivity: Human, Mouse, Rat		
REF	Catalog Number: ABP0120	LOT	Lot Number: Refer to product label
	Formulation: Liquid		Concentration: 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		Note: Contain sodium azide.

Background: Mothers against decapentaplegic homolog 3 encoded by SMAD3 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.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:100-1:300), ELISA (1:10000). Not yet tested in other applications.

Storage Buffer: PBS, pH 7.4, containing 0.02% Sodium Azide as preservative and 50% Glycerol.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

<div><table data-bbox="341 344 595 443"><tr><td>-</td><td>+</td><td>-</td><td>phospho-peptide</td></tr><tr><td>-</td><td>-</td><td>+</td><td>non-phospho-peptide</td></tr><tr><td>+</td><td>+</td><td>+</td><td>Jurkat TGF β</td></tr></table></div>	-	+	-	phospho-peptide	-	-	+	non-phospho-peptide	+	+	+	Jurkat TGF β	<p>Fig.1. Western blot analysis of various cells using Smad3 Polyclonal Antibody diluted at 1:500.</p>
-	+	-	phospho-peptide										
-	-	+	non-phospho-peptide										
+	+	+	Jurkat TGF β										
<div><div data-bbox="276 766 663 781"><div>A</div><div>B</div><div>C</div></div></div>	<p>Fig.2. Immunofluorescence analysis of Mouse kidney tissue. 1, Smad3 Polyclonal Antibody (red) was diluted at 1:200 (4°C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50min). 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.</p>												

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