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## Product Datasheet

### SMAD3 (phospho-T179) antibody (orb345686)

Description	SMAD3 (phospho-T179) antibody	Cells: NMuMG
<b>Species/Host</b>	Rabbit	
<b>Reactivity</b>	Mouse	<p>NMuMG mouse mammary epithelial cells wer...</p>
<b>Conjugation</b>	Unconjugated	
<b>Tested Applications</b>	ELISA, WB	
<b>Immunogen</b>	<p>Anti-SMAD3 pT179 antibody was prepared by repeated immunizations with a synthetic peptide corresponding to an internal region of human Smad3 protein surrounding amino acid residue 179.</p>	
<b>Preservatives</b>	0.01% (w/v) Sodium Azide	
<b>Form/Appearance</b>	Liquid (sterile filtered)	
<b>Concentration</b>	1.0mg/ml	
<b>Storage</b>	<p>Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.</p>	
<b>Note</b>	For research use only	<p>The SMAD pathway follows the canonical T...</p>
<b>Application notes</b>	<p>Anti-SMAD3 pT179 has been tested for use in ELISA and by western blot, and suitable by immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 48.1 kDa in size corresponding to human phosphorylated Smad3 protein by western blotting in the appropriate stimulated tissue or cell lysate or extract.</p>	
<b>Isotype</b>	IgG	
<b>Clonality</b>	Polyclonal	
<b>Purity</b>	<p>Anti-SMAD3 pT179 affinity-purified antibody is directed against the phosphorylated form of human Smad3 protein at the pT179 residue. The product was affinity purified from monospecific antiserum by immunoaffinity purification. Antiserum was first purified against the phosphorylated form of the immunizing peptide. The resultant affinity purified antibody was then cross adsorbed against the non-phosphorylated form of the immunizing peptide. Reactivity occurs against human Smad3 pT179 protein and the antibody is specific for the phosphorylated form of the protein</p>	