

## Recombinant Phospho-Smad2 (Ser250) Monoclonal Antibody

catalog number: AN300960L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

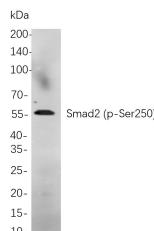
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to residues around (Ser250) of Human Phospho-Smad2
Host	Rabbit
Isotype	IgG,κ
Clone	B711
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications

### Recommended Dilution

IHC	1:100-1:500
WB	1:1000-1:5000
IF	1:200-1:1000
ELISA	1:5000-1:20000

### Data



Western Blot with Recombinant Phospho-Smad2 (Ser250)

Monoclonal Antibody at dilution of 1:1000 dilution. Lane A:

A549 treated with TPA for 48 hours cells.

**Observed-MW:58 kDa**

**Calculated-MW:58 kDa**

### Preparation & Storage

**Storage** Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

### Background

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 mediates the signal of the transforming growth factor (TGF)-beta, and thus regulates multiple cellular processes, such as cell proliferation, apoptosis, and differentiation. This protein is recruited to the TGF-beta receptors through its interaction with the SMAD anchor for receptor activation (SARA) protein. In response to TGF-beta signal, this protein is phosphorylated by the TGF-beta receptors. The phosphorylation induces the dissociation of this protein with SARA and the association with the family member SMAD4.

### For Research Use Only

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