

## **Product datasheet for TA325850**

## SMAD2 Rabbit Polyclonal Antibody

## **Product data:**

**Product Type:** Primary Antibodies

Applications: WE

Recommended Dilution: WB: 1:500-1:2000

Reactivity: Human, Mouse, Rat

Modifications: Phospho-specific

**Host:** Rabbit

**Isotype:** IgG

Clonality: Polyclonal

**Immunogen:** The antiserum was produced against A synthesized peptide derived from human Smad2

around the phosphorylation site of Serine 250

Formulation: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50%

glycerol.

**Concentration:** lot specific

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using

epitope-specific peptide.

**Conjugation:** Unconjugated

Storage: Store at -20°C as received.

**Stability:** Stable for 12 months from date of receipt.

Predicted Protein Size: 65 kDa

**Gene Name:** SMAD family member 2

Database Link: NP 001003652

Entrez Gene 17126 MouseEntrez Gene 29357 RatEntrez Gene 4087 Human

Q15796



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



**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.

Synonyms: hMAD-2; hSMAD2; JV18; JV18-1; MADH2; MADR2

Protein Families: Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem

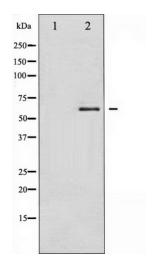
cell relevant signaling - JAK/STAT signaling pathway, Stem cell relevant signaling - TGFb/BMP

signaling pathway, Transcription Factors

**Protein Pathways:** Adherens junction, Cell cycle, Colorectal cancer, Pancreatic cancer, Pathways in cancer, TGF-

beta signaling pathway, Wnt signaling pathway

## **Product images:**



Western blot analysis of Smad2 phosphorylation expression in PMA treated 293 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.