





DGRmAb[®]

Phospho-Smad1 (Ser463/Ser465) (DGR31497) Rabbit mAb

db14871 Package : 10μL 20μL 50μL 100μL

Product Name: Phospho-Smad1 (Ser463/Ser465) (DGR31497) Rabbit mAb

Cat.No.: db14871

Synonyms: BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1

Application: WB, IP
Reactivity: Human, Mouse
Host species: Rabbit

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 signals of the bone morphogenetic proteins (BMPs), which are involved in a range of biological activities including cell growth, apoptosis, morphogenesis, development and immune responses. In response to BMP ligands, this protein can be phosphorylated and activated by the BMP receptor kinase. The phosphorylated form of this protein forms a complex with SMAD4, which is important for its function in the transcription regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq, Jul 2008]

Immunogen

A synthetic phosphopeptide corresponding to residues surrounding Ser463/Ser465 of human

Smad1

Gene ID 4086

Swiss Prot Q15797

Synonyms BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1

Reactivity Human, Mouse

Application WB, IP

Recommended dilution WB: 1:1000

IP: 1:20-1:50

Calculated MW 52 kDa

Observed MW 52 kDa



For Research Use Only **Product Datasheet**

Host species Rabbit

Clonality Monoclonal

Clonality No. DGR31497

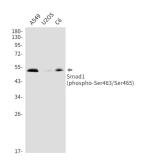
Isotype IgG

Purity Affinity Purification

Conjugation Un-conjugated

Storage Stability Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium

azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of Smad1 (phospho-Ser463/Ser465) in A549,U2OS,C6 cell lysates using Caspase-7 antibody(1:1000 diluted).