

Recombinant**DGRmAb®****Phospho-Smad1 (Ser463/Ser465) (DGR16073) Rabbit mAb (PBS Only)****db13936-PBS****Package : 100µg****Product Name :** Phospho-Smad1 (Ser463/Ser465) (DGR16073) Rabbit mAb (PBS Only)**Cat.No.:** db13936-PBS**Synonyms :** BSP1; JV41; BSP-1; JV4-1; MADH1; MADR1**Application :** WB, ICC/IF, 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, ICC/IF, IP

Calculated MW

52 kDa

Observed MW

52 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR16073
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.

HCT116Western blot analysis of extracts from HCT116 cells using [db13936](#)