







## Smad1 (DGR12078) Rabbit mAb

db15828 Package : 10μL 20μL 50μL 100μL

Product Name: Smad1 (DGR12078) Rabbit mAb

Cat.No.: db15828

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

Application: WB, IHC-P, FC

Reactivity : Human

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

SMURF2, and undergoes ubiquitination and proteasome-mediated degradation. Alternatively

spliced transcript variants encoding the same protein have been observed. [provided by RefSeq,

regulation. This protein is a target for SMAD-specific E3 ubiquitin ligases, such as SMURF1 and

Jul 2008]

**Immunogen** A synthetic peptide of human Smad1

**Gene ID** 4086

Swiss Prot Q15797

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

Reactivity Human

**Application** WB, IHC-P, FC

Recommended dilution WB: 1:1000-1:5000

HC-P: 1:50-1:100 FC: 1:200-1:500

Calculated MW 52 kDa

Observed MW 52 kDa



## For Research Use Only **Product Datasheet**

Host species Rabbit

**Clonality** Monoclonal

Clonality No. DGR12078

**Isotype** IgG

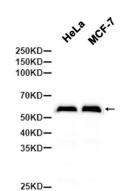
**Purity** Affinity Purification

**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 analysis of extracts from HeLa, MCF-7 cells using db15828 at 1:3000.



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