Recombinant DGRmAb®

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 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 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 IHC-P: 1:50-1:100 FC: 1:200-1:500
Calculated MW	52 kDa
Observed MW	52 kDa

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.