

Recombinant

DGRmAb®

**Smad4 (DGR19872) Rabbit mAb (PBS Only)**

db14376-PBS

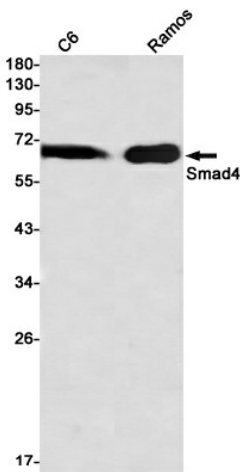
Package : 100µg

**Product Name** : Smad4 (DGR19872) Rabbit mAb (PBS Only)**Cat.No.:** db14376-PBS**Synonyms** : JIP; DPC4; MADH4; MYHRS**Application** : WB, ICC/IF, FC, IP**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

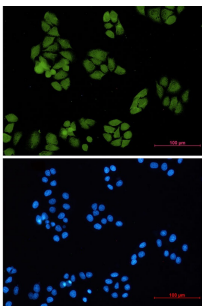
This gene encodes a member of the Smad family of signal transduction proteins. Smad proteins are phosphorylated and activated by transmembrane serine-threonine receptor kinases in response to transforming growth factor (TGF)-beta signaling. The product of this gene forms homomeric complexes and heteromeric complexes with other activated Smad proteins, which then accumulate in the nucleus and regulate the transcription of target genes. This protein binds to DNA and recognizes an 8-bp palindromic sequence (GTCTAGAC) called the Smad-binding element (SBE). The protein acts as a tumor suppressor and inhibits epithelial cell proliferation. It may also have an inhibitory effect on tumors by reducing angiogenesis and increasing blood vessel hyperpermeability. The encoded protein is a crucial component of the bone morphogenetic protein signaling pathway. The Smad proteins are subject to complex regulation by post-translational modifications. Mutations or deletions in this gene have been shown to result in pancreatic cancer, juvenile polyposis syndrome, and hereditary hemorrhagic telangiectasia syndrome. [provided by RefSeq, Aug 2017]

**Immunogen** A synthetic peptide of human Smad4**Gene ID** 4089**Swiss Prot** Q13485**Synonyms** JIP; DPC4; MADH4; MYHRS**Reactivity** Human,Mouse,Rat**Application** WB, ICC/IF, FC, IP**Recommended dilution**  
WB: 1:1000  
ICC/IF: 1:100  
FC: 1:200-1:500  
IP: 1:20-1:50**Calculated MW** 60 kDa

Observed MW	70 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19872
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.



Western blot detection of Smad4 in C6,Ramos using [db14376](#)(1:1000 diluted)



Immunofluorescent analysis of HeLa cells using [db14376](#)