

Recombinant

DGRmAb®

Smad5 (DGR19504) Rabbit mAb (PBS Only)

db11228-PBS

Package : 10µg 100µg

Product Name : Smad5 (DGR19504) Rabbit mAb (PBS Only)**Cat.No.:** db11228-PBS**Synonyms** : DWFC; JV5-1; MADH5**Application** : WB, IHC-P, ICC/IF, FC**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit

Background	The protein encoded by this gene is involved in the transforming growth factor beta signaling pathway that results in an inhibition of the proliferation of hematopoietic progenitor cells. The encoded protein is activated by bone morphogenetic proteins type 1 receptor kinase, and may be involved in cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Immunogen	A synthetic peptide of human SMAD5
Gene ID	4090
Swiss Prot	Q99717
Synonyms	DWFC; JV5-1; MADH5
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Calculated MW	52 kDa
Observed MW	60 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19504
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Concentration	1 mg/mL

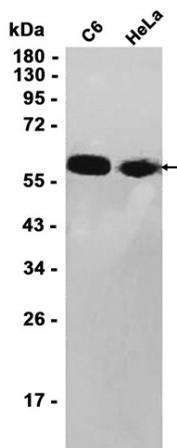
Formulation

PBS Only

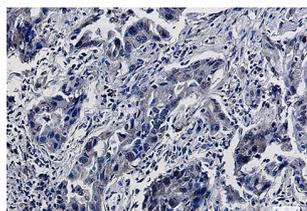
Storage Stability

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.

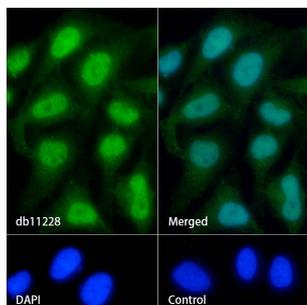
Western blot analysis of extracts from C6, HeLa cells using [db11228](#) at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer using [db11228](#) antibody.



Immunofluorescence analysis of HeLa cells labelling Smad5 with [db11228](#).



The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with [db11228](#) (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 ([db10005](#), shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.