Recombinant DGRmAb®

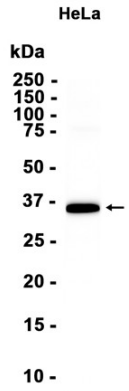
Spry-2 (DGR34014) Rabbit mAb

db12996 **Package : 10μL 20μL 50μL 100μL**

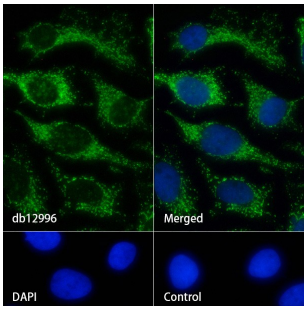
Product Name : Spry-2 (DGR34014) Rabbit mAb
Cat.No.: db12996
Synonyms : IGAN3; hSPRY2
Application : WB, IHC-P, ICC/IF
Reactivity : Human,Rat
Host species : Rabbit

Background	This gene encodes a protein belonging to the sprouty family. The encoded protein contains a carboxyl-terminal cysteine-rich domain essential for the inhibitory activity on receptor tyrosine kinase signaling proteins and is required for growth factor stimulated translocation of the protein to membrane ruffles. In primary dermal endothelial cells this gene is transiently upregulated in response to fibroblast growth factor two. This protein is indirectly involved in the non-cell autonomous inhibitory effect on fibroblast growth factor two signaling. The protein interacts with Cas-Br-M (murine) ectropic retroviral transforming sequence, and can function as a bimodal regulator of epidermal growth factor receptor/mitogen-activated protein kinase signaling. This protein may play a role in alveoli branching during lung development as shown by a similar mouse protein. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human Spry-2
Gene ID	10253
Swiss Prot	O43597
Synonyms	IGAN3; hSPRY2
Reactivity	Human,Rat
Application	WB, IHC-P, ICC/IF
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:50 ICC/IF: 1:100
Calculated MW	35 kDa
Observed MW	35 kDa
Host species	Rabbit

Clonality	Monoclonal
Clonality No.	DGR34014
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 cells using db12996 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Spry-2 with db12996.

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 db12996 (1:100) 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.