

Recombinant

DGRmAb®

Spry-2 (DGR34014) Rabbit mAb (PBS Only)

db12996-PBS

Package : 10µg 100µg

Product Name : Spry-2 (DGR34014) Rabbit mAb (PBS Only)**Cat.No.:** db12996-PBS**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) ectopic 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

Calculated MW

35 kDa

Observed MW

35 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.

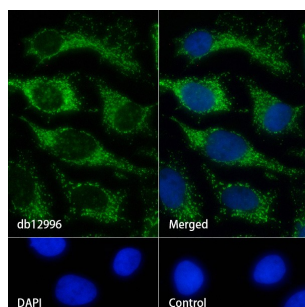
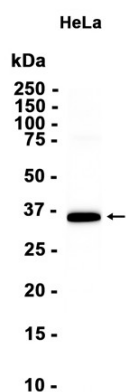
DGR34014

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 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 temperature 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.