

Recombinant

DGRmAb®

## Sumo 1 (DGR11934) Rabbit mAb

db15878

Package : 10µL 20µL 50µL 100µL

**Product Name :** Sumo 1 (DGR11934) Rabbit mAb**Cat.No.:** db15878**Synonyms :** DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes a protein that is a member of the SUMO (small ubiquitin-like modifier) protein family. It functions in a manner similar to ubiquitin in that it is bound to target proteins as part of a post-translational modification system. However, unlike ubiquitin which targets proteins for degradation, this protein is involved in a variety of cellular processes, such as nuclear transport, transcriptional regulation, apoptosis, and protein stability. It is not active until the last four amino acids of the carboxy-terminus have been cleaved off. Several pseudogenes have been reported for this gene. Alternate transcriptional splice variants encoding different isoforms have been characterized. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human Sumo 1

**Gene ID**

7341

**Swiss Prot**

P63165

**Synonyms**

DAP1; GMP1; PIC1; SMT3; UBL1; OFC10; SENP2; SMT3C; SMT3H3

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P, ICC/IF, FC, IP

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:100-1:200

ICC/IF: 1:200-1:500

FC: 1:20-1:100

IP: 1:20

**Calculated MW**

12 kDa

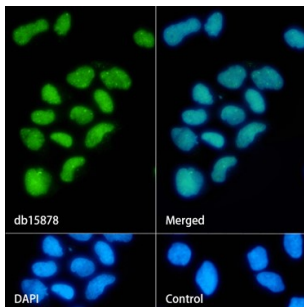
**Observed MW**

80,12 kDa

**Host species**

Rabbit

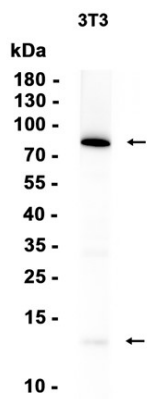
|                   |   |
|-------------------|---|
| Clonality         | Monoclonal  |
| Clonality No.     | DGR11934  |
| Isotype           | IgG   |
| Purity            | Affinity Purification   |
| Conjugation       | Un-conjugated   |
| Storage Stability | Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt. |



Immunofluorescence analysis of HeLa cells labelling Sumo 1 with db15878.

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 db15878 (1:200) 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.



Western blot analysis of extracts from 3T3 cells using db15878 at 1:1000.