

Recombinant

DGRmAb®

**SART1 (DGR14267) Rabbit mAb**

db15363

Package : 10µL 20µL 50µL 100µL

**Product Name :** SART1 (DGR14267) Rabbit mAb**Cat.No.:** db15363**Synonyms :** HAF; Ara1; HOMS1; Snu66; SART1259; SNRNP110**Application :** WB, ICC/IF, FC**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

This gene encodes two proteins, the SART1(800) protein expressed in the nucleus of the majority of proliferating cells, and the SART1(259) protein expressed in the cytosol of epithelial cancers. The SART1(259) protein is translated by the mechanism of -1 frameshifting during posttranscriptional regulation; its full-length sequence is not published yet. The two encoded proteins are thought to be involved in the regulation of proliferation. Both proteins have tumor-rejection antigens. The SART1(259) protein possesses tumor epitopes capable of inducing HLA-A2402-restricted cytotoxic T lymphocytes in cancer patients. This SART1(259) antigen may be useful in specific immunotherapy for cancer patients and may serve as a paradigmatic tool for the diagnosis and treatment of patients with atopy. The SART1(259) protein is found to be essential for the recruitment of the tri-snRNP to the pre-spliceosome in the spliceosome assembly pathway. [provided by RefSeq, Jul 2008]

**Immunogen**

A synthetic peptide of human SART1

**Gene ID**

9092

**Swiss Prot**

O43290

**Synonyms**

HAF; Ara1; HOMS1; Snu66; SART1259; SNRNP110

**Reactivity**

Human,Mouse,Rat

**Application**

WB, ICC/IF, FC

**Recommended dilution**

WB: 1:2000-1:20000

ICC/IF: 1:100-1:200

FC: 1:100

**Calculated MW**

90 kDa

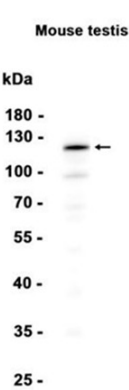
**Observed MW**

120 kDa

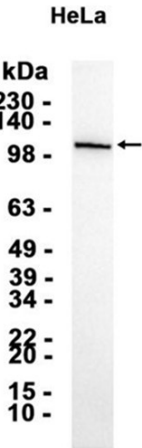
**Host species**

Rabbit

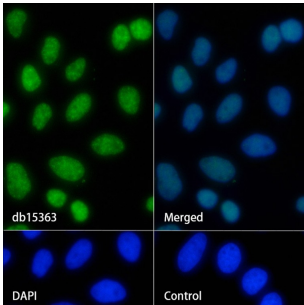
|                   |                                                                                                                                                               |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clonality         | Monoclonal                                                                                                                                                    |
| Clonality No.     | DGR14267                                                                                                                                                      |
| 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 Mouse testis tissue using db15363 at 1:1000.



Western blot analysis of extracts from HeLa cells using db15363 at 1:5000.



Immunofluorescence analysis of HeLa cells labelling SART1 with db15363.

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 db15363 (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.