

## Product datasheet

# Human SART1 peptide ab45491

### Overview

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**Product name** Human SART1 peptide

### Description

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**Nature** Synthetic

#### Amino Acid Sequence

**Species** Human

**Sequence** GSSKKHRGEKEAA-C

**Amino acids** 2 to 14

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab45491** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

**Applications** Blocking - Blocking peptide for Anti-SART1 antibody ([ab22820](#))

**Form** Liquid

### Preparation and Storage

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**Stability and Storage** Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

### General Info

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#### Relevance

SART1 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.

**Cellular localization**

Nuclear

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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