

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SART1 in ELISAs and Western Blots. Detects mouse SART1 in Western Blots.
Source	Monoclonal Mouse IgG ₁ Clone # 865709
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SART1 Asn647-Lys800 Accession # O43290
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Hypoxia-associated factor (HAF), also known as SART1, is a widely expressed 125 kDa intracellular protein that promotes assembly of the U2-type pre-mRNA spliceosome. SART1 is also an E3 ubiquitin ligase that promotes the ubiquitination and degradation of HIF-1 alpha. In contrast, it enhances the transcriptional activity of HIF-2 alpha. SART1 is upregulated in many tumor types and enables tumor growth during chronic hypoxia. Within amino acids 647-800, human SART1 shares 100% aa sequence identity with mouse and rat SART1.

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