

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human SUZ12 in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 448909
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human SUZ12 Thr131-Asn305 Accession # Q15022
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.
Immunoprecipitation	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

SUZ12 (suppressor of zeste 12; also known as Joined to JazF1) is a 90-95 kDa member of the Polycomb group of transcriptional regulators. It is part of a transcription repression complex termed PRC2 (Polycomb repressive complex 2) that methylates histones in the nucleus, resulting in homeotic (pattern-inducing) gene silencing. Human SUZ12 is 739 amino acids (aa) in length. It contains one C2H2-type zinc finger region (aa 44-8471) and a C-terminal VEFS-box (aa 563-639). There is one potential splice form that shows a deletion of 51 aa over aa 129-197. Human SUZ12 shares 90% and 99% aa identity with mouse and dog SUZ12, respectively. Over the immunogen sequence in MAB4184, aa identity between human and mouse is 99%.

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