Datasheet: MCA4265Z

Description:	MOUSE ANTI HUMAN SQSTM1:Preservative Free
Specificity:	SQSTM1
Other names:	p62
Format:	Preservative Free
Product Type:	Monoclonal Antibody
Clone:	2C11
Isotype:	IgG2a
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			
Immunofluorescence	▪			0.1 - 10 ug/ml

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	None present
Approx. Protein Concentrations	Ig concentration 0.5 mg/ml
Immunogen	Recombinant protein corresponding to aa 1 - 441 of human SQSTM1.
External Database Links	**UniProt:** Q13501 Related reagents **Entrez Gene:** 8878 SQSTM1 Related reagents

Synonyms	ORCA, OSIL
Fusion Partners	Spleen cells from BALB/c mice were fused with cells from the Sp2/0 myeloma cell line.
Specificity	**Mouse anti Human SQSTM1 antibody, clone 2C11** recognizes human SQSTM1, also known as Sequestosome-1, p62 or EBIAP. SQSTM1 is a ~62kDa ubiquitously expressed molecule bearing an N-terminal OPR domain which mediates homooligomerization and interactions with other proteins. SQSTM1 also bears a C-terminal UBA domain, responsible for binding to polyubiquitinated substrates. SQSTM1 is involved in the autophagic degradation of polyubiquitinated proteins (Wei *et al.* 2013) and in bone remodelling through activation of of osteoclasts. Mutations in the SQSTM1 gene have been implicated in Paget's disease of bone (Laurin *et al.* 2002) Mouse anti human SQSTM1, clone 2C11 has been used successfully for the identification of SQSTM1 in Hela cells by western blotting.
Storage	Store at -20^{o}C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10162 available at: 10162: https://www.bio-rad-antibodies.com/uploads/MSDS/10162.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

North & South America
Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide
Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe
Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
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Printed on 01 May 2018