

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

RRID AB_2286694

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](https://www.uniprot.org/entry/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	<p>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 homo-oligomerization and interactions with other proteins. SQSTM1 also bears a C-terminal UBA domain, responsible for binding to poly-ubiquitinated substrates.</p> <p>SQSTM1 is involved in the autophagic degradation of poly-ubiquitinated proteins (Wei et al. 2013) and in bone remodelling through activation of osteoclasts. Mutations in the SQSTM1 gene have been implicated in Paget's disease of bone (Laurin et al. 2002)</p> <p>Mouse anti human SQSTM1, clone 2C11 has been used successfully for the identification of SQSTM1 in Hela cells by western blotting.</p>
Storage	<p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>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.</p>
Guarantee	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 IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Human Anti Mouse IgG2a (HCA037...)	FITC , HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@680 , DyLight@800 , FITC , HRP

Recommended Negative Controls

MOUSE IgG2a NEGATIVE CONTROL (MCA929)

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Worldwide

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