

## Rabbit antibody to Sequestosome 1: whole serum

<b>Catalogue No.:</b>	R-162-100
<b>Description:</b>	Sequestosome 1 is an adapter protein which binds ubiquitin and may regulate the activation of NF $\kappa$ B1 by TNF-alpha, nerve growth factor and interleukin-1. It may regulate signaling cascades through ubiquitination and may also be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels. It is present as a homooligomer or heterooligomer and localises to the cytoplasm, late endosome and nucleus. In cardiac muscles it localises to the sarcomeric band. It accumulates in neurofibrillary tangles and in Lewy bodies of neurons from individuals with Alzheimer and Parkinson disease respectively. It is also enriched in Rosenthal fibers of pilocytic astrocytoma and in liver cells it accumulates in Mallory bodies associated with alcoholic hepatitis, Wilson disease, indian childhood cirrhosis and in hyaline bodies associated with hepatocellular carcinoma. Sequestosome 1 is ubiquitously expressed and to date, there are 2 named isoforms produced by alternative splicing. Defects in sequestosome 1 cause sporadic and familial Page disease of bone (PDB). This is a metabolic bone disease characterised by focal areas of increased and disorganised bone turn-over due to activated osteoclasts.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 uL
<b>Antigen:</b>	Peptide IGAALDTIQYSKH corresponding to the C-terminal part of human Sequestosome 1 (aa: 424-436) conjugated to the Blue Carrier Protein has been used as the immunogen.
<b>Other Names:</b>	Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa; ubiquitin-binding protein p62; EBI3-associated protein of 60 kDa; p60; EBIAP; SQSTM1; ORCA; OSIL
<b>Accession:</b>	SQSTM_HUMAN
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Whole serum
<b>Applications:</b>	IHC. A dilution of 1:500 to 1: 5000 is recommended. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity was confirmed by immunohistochemical analysis on paraffin embedded human brain.
<b>Cross-reactivity:</b>	This antibody is expected to recognise p60 in mouse, rat and bovine. See the immunogen field also.
<b>Form:</b>	Lyophilised
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for a higher stability, and at 2-8C with an appropriate antibacterial agent. Avoid repetitive freeze/thaw cycles. Glycerol (1:1) may be added for an additional stability.
<b>Expiry Date:</b>	12 months after purchase

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