

AB-PN908

SQSTM1-pS403 Antibody

Phosphosite-specific rabbit polyclonal antibody for SQSTM1 (Sequestosome-1)

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Target Protein

Protein Name Long:	Sequestosome-1
Protein Alias:	EBI3-associated protein of 60 kDa; ORCA; Osi; SQSTM 1; ZIP 3; A170; SQSTM1; Ubiquitin binding protein p62; Protein kinase C-zeta-interacting protein; FTDALS3; Ubiquitin-binding protein p62; PKC-zeta-interacting protein; EBIAP; Sqstm1; Phosphotyrosine independent ligand for the Lck SH2 domain of 62 kDa; EBI3 associated protein p60; EBI3 associated protein of 60 kDa; SQSTM_HUMAN; OSF-6; Paget disease of bone 3; p62B; p60; PDB 3; EBI 3 associated protein p60; MGC127197; Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa; EBI 3 associated protein of 60 kDa; ZIP3; STAP; p62; Sequestosome 1; OSIL; STONE14; Phosphotyrosine independent ligand for the Lck SH2 domain p62; PDB3; Oxidative stress induced like; ZIP
UniProt ID:	Q13501
Protein Molecular Mass:	47,687 Da (440 AA; Q13501-1); 38,629 Da (356 AA; Q13501-2)

Immunogen

Antibody Immunogen Source:	Synthetic phosphopeptide patterned after human SQSTM1
Antibody Immunogen Sequence:	QML(pS)MGF(βA)C
Antibody Immunogen Description:	Corresponds to amino acid residues Q400 to F406. The effect of SQSTM1 S403 phosphorylation is unclear. This is a minor site of <i>in vivo</i> phosphorylation of SQSTM1 (≥6 reports from high throughput mass spectrometry studies recorded in PhosphoSitePlus). SQSTM1 is known to be phosphorylated at this site <i>in vitro</i> by TBK1 (NAK).
Antibody Target Type:	Phosphosite-specific

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Isotype:	IgG
Production Method:	The immunizing peptide was produced by solid phase synthesis on a multipep peptide synthesizer and purified by reverse-phase hplc chromatography. Purity was assessed by analytical hplc and the amino acid sequence confirmed by mass spectrometry analysis. This peptide was coupled to KLH prior to immunization into rabbits. New Zealand White rabbits were subcutaneously injected with KLH-coupled immunizing peptide every 4 weeks for 4 months. The sera from these animals was applied onto an agarose column to which the immunogen peptide was thio-linked. Antibody was eluted from the column with 0.1 M glycine, pH 2.5. Subsequently, the antibody solution was neutralized to pH 7.0 with saturated Tris.
Amount:	25 µg
Antibody Concentration:	0.7 mg/ml
Lot Numbers:	

Storage Buffer:	Phosphate buffered saline pH 7.4, 0.05% Thimerasol
Storage Conditions:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.
Storage Stability:	>2 years

Applications

Product Use:	Western blotting Antibody microarray
Antibody Dilution Recommended:	2 µg/ml for immunoblotting
Antibody Species Reactivity:	Human Chimpanzee Rhesus macaque Rat Mouse Platypus

This product is for *in vitro* research use only and is not intended for use in humans or animals.

For more information on our products please visit <https://kinexus-ca.myshopify.com/> or contact us at 1-866-546-3987