

# AB-PN910

## SQSTM1-pT339+pS342 Antibody

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

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### Target Protein

<b>Protein Name Long:</b>	Sequestosome-1
<b>Protein Alias:</b>	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
<b>UniProt ID:</b>	Q13501
<b>Protein Molecular Mass:</b>	47,687 Da (440 AA; Q13501-1); 38,629 Da (356 AA; Q13501-2)

### Immunogen

<b>Antibody Immunogen Source:</b>	Synthetic phosphopeptide patterned after human SQSTM1
<b>Antibody Immunogen Sequence:</b>	DDW(pT)HL(pS)SKE(βA)C
<b>Antibody Immunogen Description:</b>	Corresponds to amino acid residues D336 to E345. The effects of T339 and S342 phosphorylation are unclear. These are minor <i>in vivo</i> phosphorylation sites based on ≥4 and ≥5 mass spectrometry reports, respectively, in PhosphoSitePlus.
<b>Antibody Target Type:</b>	Phosphosite-specific

### Production

<b>Antibody Host Species:</b>	Rabbit
<b>Antibody Type:</b>	Polyclonal
<b>Antibody Isotype:</b>	IgG
<b>Production Method:</b>	The immunizing peptide was produced by solid phase synthesis on a multipеп 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.
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	0.4 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% Thimerasol

<b>Storage Conditions:</b>	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.
<b>Storage Stability:</b>	>2 years

## Applications

<b>Product Use:</b>	Western blotting   Antibody microarray
<b>Antibody Dilution Recommended:</b>	2 µg/ml for immunoblotting
<b>Antibody Species Reactivity:</b>	Human   Chimpanzee   Rhesus macaque   Dog   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