

Datasheet for 600-401-X20**p62 Phospho S28 Antibody****Overview**

Description:	Anti-p62 pS28 (RABBIT) Antibody - 600-401-X20
Item No.:	600-401-X20
Size:	100 µL
Applications:	WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	p62, also known as sequestosome1 (SQSTM1), is a shuttle protein transporting polyubiquitinated proteins for both proteasomal and lysosomal degradation. p62 is an integral component of inclusions in brains of various neurodegenerative disorders, including Alzheimer disease (AD) neurofibrillary tangles (NFTs) and Lewy bodies in Parkinson disease. p62 plays an important role in the protection of cells from the toxicity of misfolded proteins by enhancing aggregate formation especially in the later stages. Phosphorylation of Ser28 has recently been demonstrated to be related to the pathogenesis of Parkinson's disease. p62 pS28 Antibody is ideal for researchers interested in neuroscience research.
Synonyms:	Sequestosome-1, EBI3-associated protein of 60 kDa, EBIAP, p60, Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa, Ubiquitin-binding protein p63
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SQSTM1
Reactivity:	Human
PTM Specificity:	Phosphorylation
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-Phospho-Ser28 p62 Antibody was produced in rabbits by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding the phospho-Ser28 of human p62 conjugated to KLH.
Purity/Specificity:	Anti-Phospho-Ser28 p62 Antibody is directed against p62 protein phosphorylated at S28. The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide and non-specific peptide to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Rabbit Serum. Reactivity against NMDA occurs from human sources. However, reactivity is also expected against non-human primate based on 100% sequence homology.
Relevant Links:	• UniProtKB - Q13501 • GeneID - 8878 • NCBI - NP_003891.1

Application Details

Tested Applications:	WB
Application Note:	Anti-Phospho-Ser28 p62 Antibody is tested for Western Blots and is specific for the ~48 kDa p62 protein phosphorylated at Ser28. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,00
WB:	1:500

Formulation

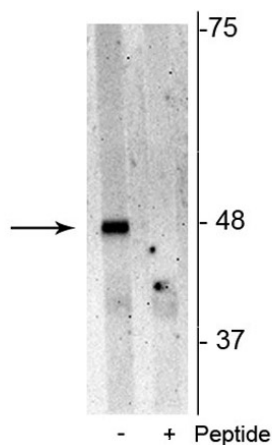
Physical State:	Liquid (sterile filtered)
Concentration:	Titred value sufficient to run approximately 10 mini blots.
Buffer:	0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5
Preservative:	None
Stabilizer:	0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C prior to opening in undiluted aliquots. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western blot of Anti-p62 pS28 Antibody.
Jurkat cell lysate showing specific immunolabeling of the ~48 kDa p62 phosphorylated at Ser28 in the first lane (-).
Phosphospecificity is shown in the second lane (+) where immunolabeling is blocked by preadsorption of the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide (not shown).

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.