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Anti-p62 (Thr269, Ser272) Antibody

Our Anti-p62 (Thr269, Ser272) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutio
Catalog # AN1506

Product Information

Application	WB
Primary Accession	Q13501
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47687

Additional Information

Gene ID	8878
Other Names	A170 antibody, DMRV antibody, EBI 3 associated protein of 60 kDa antibody, EBI 3 associated protein p60 antibody, EBI3 associated protein of 60 kDa antibody, EBI3 associated protein p60 antibody, EBI3-associated protein of 60 kDa antibody, EBIAP antibody, FTDALS3 antibody, MGC127197 antibody, ORCA antibody, OSF-6 antibody, Osi antibody, OSIL antibody, Oxidative stress induced like antibody, p60 antibody, p62 antibody, p62B antibody, Paget disease of bone 3 antibody, PDB 3 antibody, PDB3 antibody, Phosphotyrosine independent ligand for the Lck SH2 domain of 62 kDa antibody, Phosphotyrosine independent ligand for the Lck SH2 domain p62 antibody, Phosphotyrosine-independent ligand for the Lck SH2 domain of 62 kDa antibody, PKC-zeta-interacting protein antibody, Protein kinase C-zeta-interacting protein antibody, Sequestosome 1 antibody, Sequestosome-1 antibody, SQSTM 1 antibody, SQSTM_HUMAN antibody, Sqstm1 antibody, STAP antibody, STONE14 antibody, Ubiquitin binding protein p62 antibody, Ubiquitin-binding protein p62 antibody, ZIP 3 antibody, ZIP antibody, ZIP3 antibody
Target/Specificity	The protein scaffold and signaling regulator p62 (also known as sequestosome1 (SQSTM1)) is important in critical cellular functions, including bone homeostasis, obesity, and cancer, because of its interactions with various signaling intermediaries. p62 is overexpressed in many human cancers and is induced during cell transformation. cdk1 phosphorylates p62 in vitro and in vivo at Thr-269 and Ser-272, which is necessary for the maintenance of appropriate cyclin B1 levels and the levels of cdk1 activity necessary to allow cells to properly enter and exit mitosis (Moscat et al., 2011). The lack of cdk1-mediated phosphorylation of p62 leads to a faster exit from mitosis, translating into enhanced cell proliferation and tumorigenesis in response to Ras-induced transformation (Moscat et al., 2011).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum

Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-p62 (Thr269, Ser272) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

The protein scaffold and signaling regulator p62 (also known as sequestosome1 (SQSTM1)) is important in critical cellular functions, including bone homeostasis, obesity, and cancer, because of its interactions with various signaling intermediaries. p62 is overexpressed in many human cancers and is induced during cell transformation. cdk1 phosphorylates p62 in vitro and in vivo at Thr-269 and Ser-272, which is necessary for the maintenance of appropriate cyclin B1 levels and the levels of cdk1 activity necessary to allow cells to properly enter and exit mitosis (Moscat et al., 2011). The lack of cdk1-mediated phosphorylation of p62 leads to a faster exit from mitosis, translating into enhanced cell proliferation and tumorigenesis in response to Ras-induced transformation (Moscat et al., 2011).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.