



# Anti-SQSTM1 monoclonal antibody, clone 6E6 (DCABH-1079)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Product Overview</b>    | Mouse monoclonal to SQSTM1 / p62  |
| <b>Antigen Description</b> | Adapter protein which binds ubiquitin and may regulate the activation of NFkB1 by TNF-alpha, nerve growth factor (NGF) and interleukin-1. May play a role in titin/TTN downstream signaling in muscle cells. May regulate signaling cascades through ubiquitination. Adapter that mediates the interaction between TRAF6 and CYLD (By similarity). May be involved in cell differentiation, apoptosis, immune response and regulation of K(+) channels. |
| <b>Immunogen</b>           | Full length recombinant protein of Human SQSTM1/ p62 produced in HEK293T cell.  |
| <b>Isotype</b>             | IgG2b   |
| <b>Source/Host</b>         | Mouse   |
| <b>Species Reactivity</b>  | Human   |
| <b>Clone</b>               | 6E6   |
| <b>Purity</b>              | Immunogen affinity purified   |
| <b>Purification</b>        | Purified from mouse ascites fluids by affinity chromatography.  |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | WB, IHC-P   |
| <b>Positive Control</b>    | HEK293T cells transfected with SQSTM1/p62 cDNA; HepG2, HeLa, A549, MCF7 cell lysates, Human prostate tissue, Adenocarcinoma of Human endometrium tissue, Adenocarcinoma of Human ovary tissue, Carcinoma of Human thyroid tissue.   |
| <b>Format</b>              | Liquid  |
| <b>Size</b>                | 100 µl  |
| <b>Buffer</b>              | pH: 7.30; Preservative: 0.02% Sodium azide; Constituents: 48% PBS, 50% Glycerol, 1% BSA   |
| <b>Storage</b>             | store at -20°C. Avoid repeated freeze / thaw cycles.  |
| <b>Ship</b>                | Shipped at 4°C.   |

# GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | <a href="#">SQSTM1 sequestosome 1 [ Homo sapiens ]</a>  |
| <b>Official Symbol</b>     | SQSTM1  |
| <b>Synonyms</b>            | SQSTM1; sequestosome 1; OSIL, oxidative stress induced like , Paget disease of bone 3 , PDB3; sequestosome-1; A170; p60; p62; p62B; EBIAP; EBI3-associated protein p60; oxidative stress induced like; ubiquitin-binding protein p62; EBI3-associated protein   |
| <b>Entrez Gene ID</b>      | <a href="#">8878</a>  |
| <b>mRNA Refseq</b>         | <a href="#">NM_001142298</a>  |
| <b>Protein Refseq</b>      | <a href="#">NP_001135770</a>  |
| <b>MIM</b>                 | <a href="#">601530</a>  |
| <b>UniProt ID</b>          | <a href="#">Q13501</a>  |
| <b>Chromosome Location</b> | 5q35  |
| <b>Pathway</b>             | Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; IL1-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Interleukin-1 signaling, organism-specific biosystem; NF-kB is activated and signals survival, organism-specific biosystem; NRIF signals cell death from the nucleus, organism-specific biosystem; |
| <b>Function</b>            | K63-linked polyubiquitin binding; SH2 domain binding; identical protein binding; metal ion binding; protein binding; protein kinase C binding; protein kinase binding; protein serine/threonine kinase activity; receptor tyrosine kinase binding; ubiquitin bi   |