BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-SQSTM1/p62 Antibody Picoband® (monoclonal, 3H11) Fluoro594 Conjugated

Catalog Number: M00300-1-Fluoro594

About SQSTM1

SQSTM1 (Sequestosome-1), also known as Ubiquitin-Binding Protein P62 or P62, is a protein that in humans is encoded by the SQSTM1 gene. The Src homology type 2 (SH2) domain is a highly conserved motif of about 100 amino acids which mediates protein-protein interactions by binding to phosphotyrosine.p56-lck, a T-cell-specific src family tyrosine kinase with an SH2 domain, is involved in T-cell signal transduction. The International Radiation Hybrid Mapping Consortium mapped the p62 gene to chromosome 5q35. Park et al. (1995) found that the p56-lck SH2 domain binds to p62 at the ser59 of p62 only when that serine is phosphorylated. Joung et al. (1996) expressed epitope-tagged p62 in Hela cells and showed that the expressed protein bound to the lck SH2 domain and that this binding was dependent on the N-terminal 50 amino acids of p62 but not on the tyrosine residue in this region.

Overview

Product Name	Anti-SQSTM1/p62 Antibody Picoband® (monoclonal, 3H11) Fluoro594 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Monoclonal 3H11
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Mouse
Uniprot ID	Q13501

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human SQSTM1/p62, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

9 Publications Citing This Product

1. PubMed ID: 10.1093/jnen/nlaa007, Generation and Characterization of Novel Monoclonal Antibodies Targeting p62/sequestosome-1 Across Human Neurodegenerative Diseases

2. PubMed ID: -, Zhiwei Liao,Suyun Li,Rong Liu,Xiaobo Feng,Yunsong Shi,Kun Wang,Shuai Li,Yukun Zhang,Xinghuo Wu,Cao Yang,"Autophagic Degradation of Gasdermin D Protects against Nucleus Pulposus Cell Pyroptosis and Retards Intervertebral Disc Degeneration In Vivo", Oxidative Medicine and Cellular Longevity,vol.2021,Article ID 5584447,22 pages,2021.https://doi.org/10.1155/2021/5584447

3. PubMed ID: -, Zhang Tao,Xiaoqing Zhou,Yan Zhang,Wenfeng Pu,Yi Yang,Fuxia Wei,Qian Zhou,Lin Zhang,Zhonghan Du,Ji Wu,"Xi Lei San Attenuates Dextran Sulfate Sodium-Induced Colitis in Rats and TNF-alpha-Stimulated Colitis in CACO2 Cells: Involvement of the NLRP3 Inflammasome and Autophagy",Mediators of Inflammation,vol. 2021, Article ID 1610251,12 pages,2021.https://doi.org/10.1155/2021/1610251

Visit bosterbio.com/anti-sqstm1-p62-picoband-trade-antibody-monoclonal-m00300-1-boster.html to see all 9 publications.