

SQSTM1 polyclonal antibody

Catalog: BCP01551

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The chronic focal skeletal disorder, Paget's disease of bone, affects 2-3% of the population over the age of 60 years. Paget's disease is characterized by increased bone resorption by osteoclasts, followed by abundant new bone formation that is of poor quality. The disease leads to several complications including bone pain and deformities, as well as fissures and fractures. Mutations in the ubiquitin-associated (UBA) domain of the Sequestosome 1 protein (SQSTM1), also designated p62 or ZIP, commonly cause Paget's disease since the UBA is necessary for aggregate sequestration and cell survival.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 60 kDa

Swiss-Prot:

Q13501

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IF: 1:50~1:200

IHC: 1:50~1:200

IP: 1:50~1:200

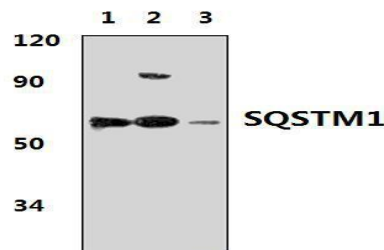
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

SQSTM1 polyclonal antibody detects endogenous levels of SQSTM1 protein.

DATA:

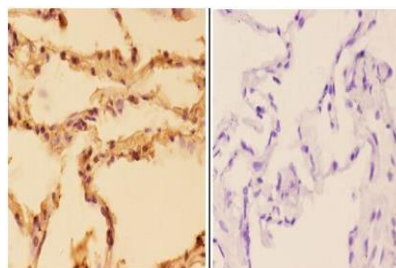


Western blot (WB) analysis of SQSTM1 polyclonal antibody at 1:500 dilution

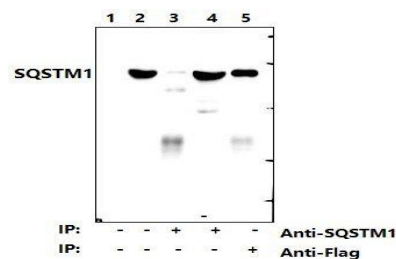
Lane1:Hela whole cell lysate(40µg)

Lane2:NIH-3T3 whole cell lysate(30µg)

Lane3:PC12 whole cell lysate(40µg)



Immunohistochemistry (IHC) analyzes of SQSTM1 pAb in paraffin-embedded human lung carcinoma tissue at 1:50, showing cytoplasm staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



Western blot (WB) analysis of SQSTM1 pAb at 1:500 dilution

Lane1:HEK293T whole cell lysate ,untransfected

Lane2:HEK293T whole cell lysate , transfected with pcDNA3.1-HA-FlaG-p62(human)

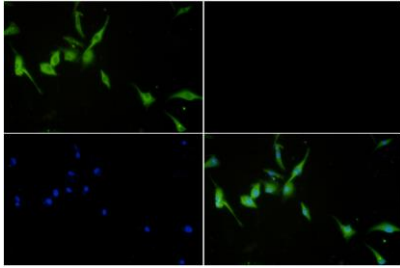
Lane3:HEK293T whole cell lysate , transfected with pcDNA3.1-HA-FlaG-p62(Anti-SQSTM1, IP)

Lane4:HEK293T whole cell lysate , transfected with pcDNA3.1-HA-FlaG-p62(Anti-SQSTM1, IP, supernatant)

Lane5:HEK293T whole cell lysate , transfected with pcDNA3.1-HA-FlaG-p62(Anti-SQSTM1, IP, supernatant)

pcDNA3.1-HA-FlaG-p62(Anti-Flag, IP)

For research use only, not for use in diagnostic procedure.



Immunofluorescence analysis of U-8MG cells using SQSTM1 antibody
at dilution of 1:50.

Note: