

Product Data Sheet

Purified anti-P62

Catalog # / Size: 647701 / 50 µl
647702 / 200 µl

Clone: Poly6477

Isotype: Rabbit polyclonal

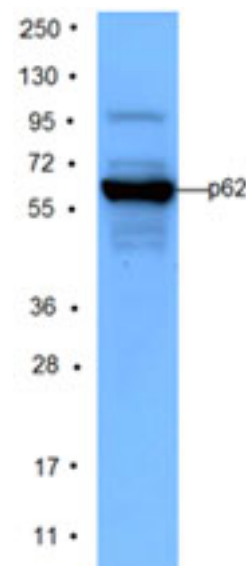
Immunogen: Recombinant protein

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20 °C.



HeLa cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with polyclonal anti-p62 antibody (Clone Poly6477). Proteins were visualized using donkey anti-rabbit secondary antibody conjugated to HRP and a chemiluminescence system.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, the suggested use of this reagent is 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: The optimal concentration should be determined by titration for each individual assay of interest.

Description: The p62 protein, also called sequestosome 1 (SQSTM1), is a ubiquitin-binding scaffold protein that colocalizes with ubiquitinated protein aggregates in many neurodegenerative diseases and proteinopathies of the liver. The protein is able to polymerize via an N-terminal PB1 domain and can interact with ubiquitinated proteins via the C-terminal UBA domain. Also, p62/SQSTM1 binds directly to LC3 and GABARAP family proteins via a specific sequence motif. The protein is itself degraded by autophagy and may serve to link ubiquitinated proteins to the autophagic machinery to enable their degradation in the lysosome. Recent studies have revealed a novel function for p62 in innate immunity.

Antigen References:

1. Falchetti A, *et al.* 2005. *Arthritis Res Ther.* 7:R1289.
2. Bjørkøy, G, *et al.* 2005. *J. Cell Biol.* 171:603.
3. Pankiv S, *et al.* 2007. *J. Biol Chem.* 282:24131.
4. Zheng YT, *et al.* 2009. *J. Immunol.* 183:5909.

Related Products: **Product**
HRP Donkey anti-rabbit IgG (minimal x-reactivity)

Clone
Poly4064

Application
ELISA, IHC, WB



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