

# KD-Validated Anti-Parkinsonism associated deglycase

## Rabbit Monoclonal Antibody

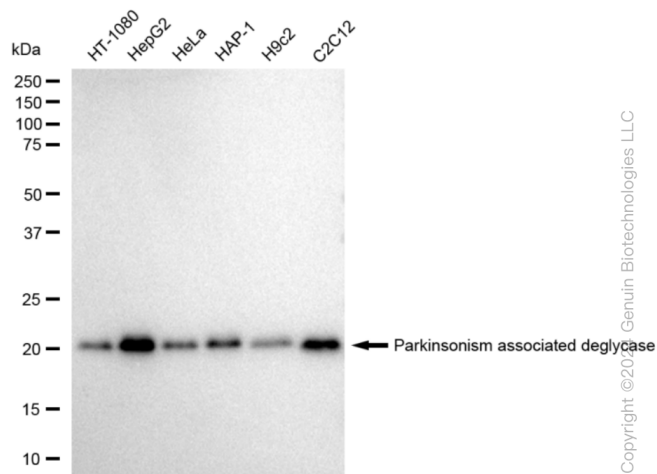
ABG1010

## Product Overview

|                             |                                                                                                        |
|-----------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-Parkinsonism associated deglycase Rabbit Monoclonal Antibody                         |
| <b>Accession(Primary)</b>   | Q99497                                                                                                 |
| <b>Host Species</b>         | Rabbit                                                                                                 |
| <b>Clonality</b>            | Monoclonal                                                                                             |
| <b>Isotype</b>              | Rabbit IgG                                                                                             |
| <b>Immunogen</b>            | A synthesized peptide derived from human PARK7                                                         |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                      |
| <b>Calculated MW</b>        | Predicted, 20 kDa, observed, 20 kDa                                                                    |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                              |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000 |

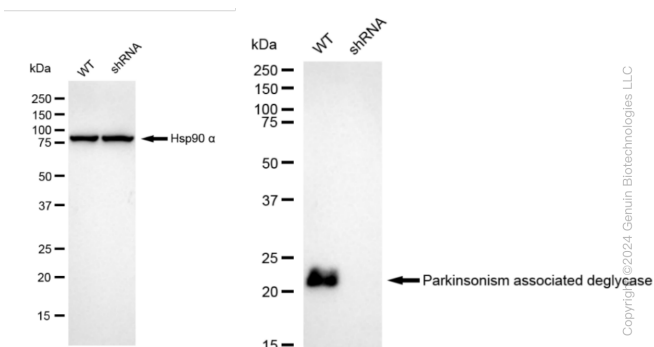
## Target information (Q99497)

|                          |                                                                                                                                                                                                                                                                               |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | PARK7                                                                                                                                                                                                                                                                         |
| <b>About Gene Symbol</b> | PARK7 (Parkinsonism Associated Deglycase) is a metabolic enzyme involved in cellular metabolism. It is an important research target in cancer research and neurodegenerative disease and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



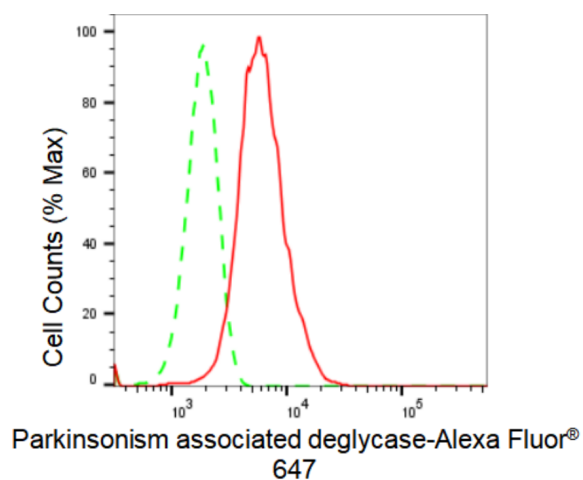
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Western blotting analysis using anti-Parkinsonism associated deglycase antibody (Cat#ABG1010). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Parkinsonism associated deglycase antibody (Cat#ABG1010, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



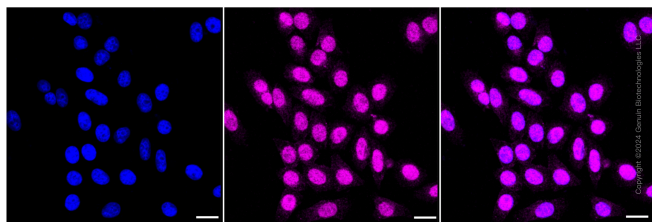
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Western blotting analysis using anti-Parkinsonism associated deglycase antibody (Cat#ABG1010). Parkinsonism associated deglycase expression in wild type (WT) and parkinsonism associated deglycase shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Parkinsonism associated deglycase antibody (Cat#ABG1010, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Parkinsonism associated deglycase expression in HepG2 cells using Parkinsonism associated deglycase antibody (Cat#ABG1010, 1:2,000). Green, isotype control; red, Parkinsonism associated deglycase.



Immunocytochemical staining of HepG2 cells with Parkinsonism associated deglycase antibody (Cat#ABG1010, 1:1,000). Nuclei were stained blue with DAPI; Parkinsonism associated deglycase was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20  $\mu$ m.