Mouse anti-Human PARK7 Monoclonal Antibody | anti-PARK7 antibody

PARK7 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48158	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA**

PRODUCT SYNONYMS

PARK7; Monoclonal Antibody; PARK7 antibody; Parkinson disease protein 7; DJ-1 (PARK7); Oncogene DJ1; Protein DJ-1; Parkinson disease protein 7 CAP1; DJ1; DJ1 protein; SP22.; anti-PARK7 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT1E12
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-PARK7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Park7/DJ-1 (1-189aa) purified from E. coli
Clone Note	Anti-human Park7/DJ-1 mAb, clone AT1E12, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Park7/DJ-1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES

IF (Immunofluorescence)
ICC/IF analysis of PARK7 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PARK7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of PARK7 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PARK7 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

WB (Western Blot)
The cell and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARK7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: Jurkat cell lysate Lane 3.: NIH3T3 cell lysate Lane 4.: Mouse brain tissue lysate Lane 5.: Mouse liver tissue lysate The tissue lysate (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PARK7 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Kidney tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PARK7 antibody	Parkinson disease (autosomal recessive, early onset) 7, also known as PARK7/DJ-1, has been shown to interact with EFCAB6 and protein inhibitor of activated STAT2. Defects in PARK7 are the cause of autosomal recessive early-onset Parkinson's disease 7. This protein belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death.
Product Categories/Family for anti-PARK7 antibody	Neuroscience
References	Entrez Gene: PARK7; Bonifati V., et al. (2003) Science 299 (5604): 256-259; Takahashi K., et al. (2001) J. Biol. Chem. 276 (40): 37556-63;

NCBI AND UNIPROT INFORMATION

NCBI GI #	31543380
NCBI GeneID	11315
NCBI Accession #	NP_009193
NCBI GenBank Nucleotide #	NM_007262.4
UniProt Accession #	Q99497; O14805; Q6DR95; Q7LFU2; B2R4Z1
Molecular Weight	19,891 Da
NCBI Official Full Name	protein/nucleic acid deglycase DJ-1
NCBI Official Synonym Full Names	Parkinsonism associated deglycase
NCBI Official Symbol	PARK7
NCBI Official Synonym Symbols	DJ1; DJ-1; GATD2; HEL-S-67p
NCBI Protein Information	protein/nucleic acid deglycase DJ-1; protein deglycase DJ-1
UniProt Protein Name	Protein/nucleic acid deglycase DJ-1
UniProt Gene Name	**PARK7**
UniProt Synonym Gene Names	DJ-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/park7-antibody-clone-at1e12-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48158