

Product Datasheet

PARK7/DJ1 Rabbit Polyclonal Antibody (orb10543)

Catalog Number	orb10543
Category	Antibodies
Description	PARK7/DJ1 Rabbit Polyclonal Antibody
Target	PARK7
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Equine, Porcine
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human CAP1 (101-189/189aa)
UniProt ID	Q99497
RRID	AB_10750152
MW	20 kDa

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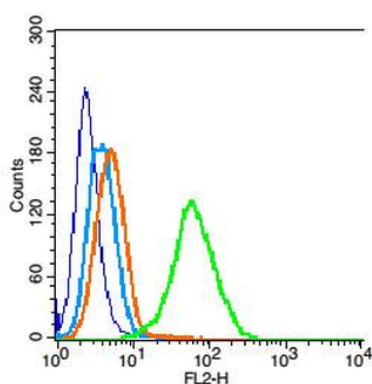
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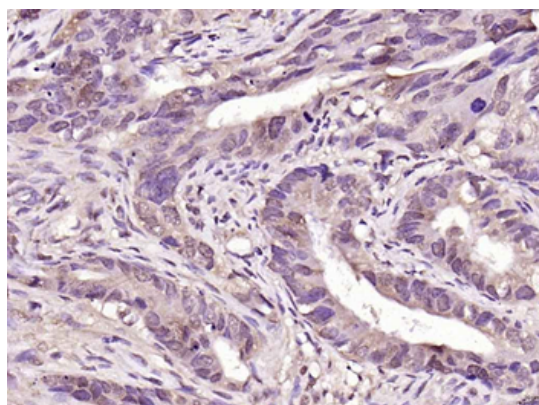
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Tested applications	FC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, Flow-Cyt=0.2µg/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



Blank control: 293T cells (blue). Primary Antibody: Rabbit Anti-PARK7/CAP1 antibody (orb10543), Dilution: 0.2 µg in 100 µl 1X PBS containing 0.5% BSA, Isotype Control Antibody: Rabbit IgG (orange), used under the same conditions. Secondary Antibody: Goat anti-rabbit IgG-PE (white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA. Protocol, Primary antibody (orb10543, 0.2 µg/1x10⁶ cells) were incubated for 30 min on the ice, followed by 1 X PBS containing 0.5% BSA + 1 0% goat serum (15 min) to block non-specific protein-protein interactions. Then the Goat Anti-rabbit IgG/PE antibody was added into the blocking buffer mentioned above to react with the primary antibody at 1/200 dilution for 30 min on ice. Acquisition of 20000 events was performed.



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PARK7) Polyclonal Antibody, Unconjugated (orb10543) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

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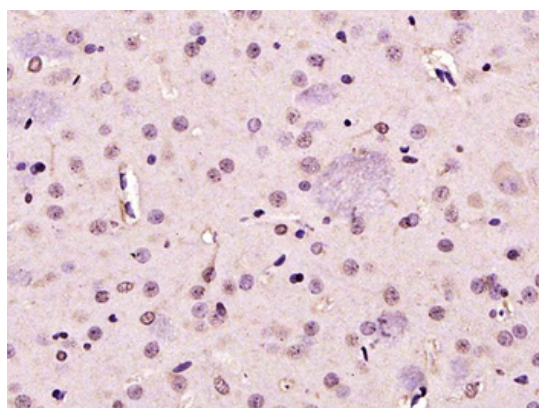
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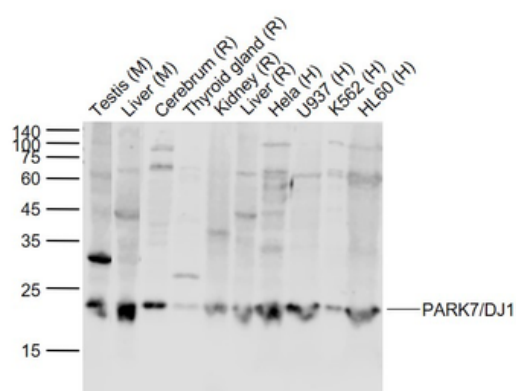
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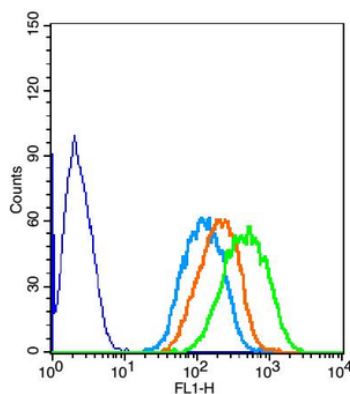
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Paraformaldehyde-fixed, paraffin embedded (rat brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (PARK7) Polyclonal Antibody, Unconjugated (orb10543) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Sample: Lane 1: Testis (Mouse) Lysate at 40 ug, Lane 2: Liver (Mouse) Lysate at 40 ug, Lane 3: Cerebrum (Rat) Lysate at 40 ug, Lane 4: Thyroid gland (Rat) Lysate at 40 ug, Lane 5: Kidney (Rat) Lysate at 40 ug, Lane 6: Liver (Rat) Lysate at 40 ug, Lane 7: Hela (Human) Cell Lysate at 30 ug, Lane 8: U937 (Human) Cell Lysate at 30 ug, Lane 9: K562 (Human) Cell Lysate at 30 ug, Lane 10: HL60 (Human) Cell Lysate at 30 ug, Primary: Anti-PARK7/DJ1 (orb10543) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 22 kD, Observed band size: 22 kD.



The blue histogram is unstained cells (Hepg2 cells), concentration 1:50, The black histogram is cells stained with secondary antibody alone. The orange histogram is cells stained with rabbit IgG isotype control antibody, plus secondary antibody. The green histogram is cells stained with Rabbit Anti-PARK7/CAP1 antibody (orb10543) plus secondary antibody.

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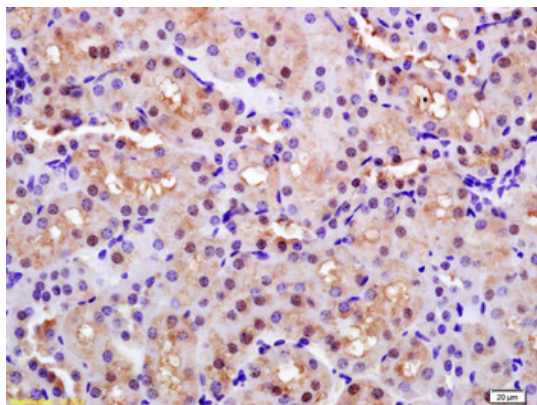
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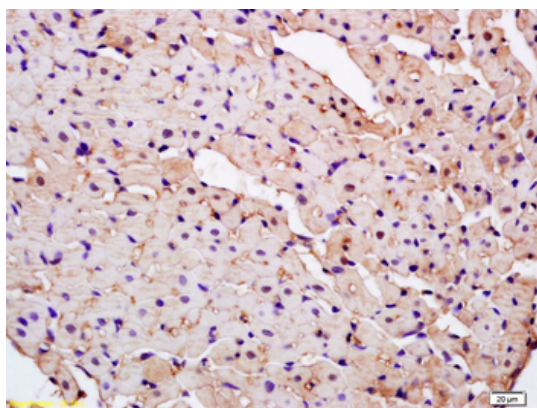
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Tissue/Cell: rat kidney tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-CAP1/PARK7 Polyclonal Antibody, Unconjugated (orb10543) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



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