

Product Datasheet

Phospho-Nrf2 (Ser40) Rabbit Polyclonal Antibody (orb6544)

Catalog Number	orb6544
Category	Antibodies
Description	Phospho-Nrf2 (Ser40) Rabbit Polyclonal Antibody
Target	NFE2L2
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human
Predicted Reactivity	Bovine, Canine, Gallus, Mouse, Rat
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 Synthesised phosphopeptide derived from human Nrf2 around the phosphorylation site of Ser40 DF(p-S)QR
UniProt ID	Q16236

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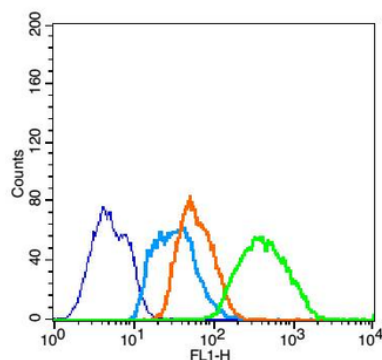
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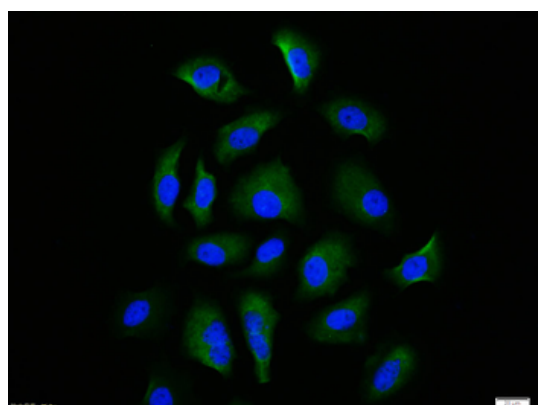
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RRID	AB_10928503
MW	68 kDa
Tested applications	ICC, WB
Dilution range	WB=1:500-2000, ICC/IF=1:100-500
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control (blue line): Jurkat (fixed with 2% paraformaldehyde (10 min), then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-phospho-Nrf2 (Ser40) antibody (orb6544), dilution: 1 $\mu\text{g}/10^6$ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-FITC, dilution: 1 $\mu\text{g}/\text{Test}$.



HepG2 cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (phospho-Nrf2 (Ser40)) polyclonal Antibody, Unconjugated (orb6544) 1:100, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

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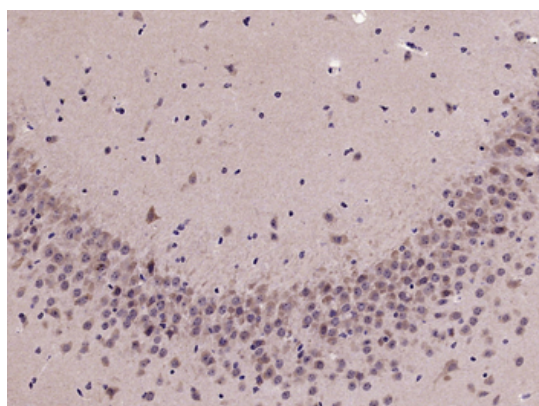
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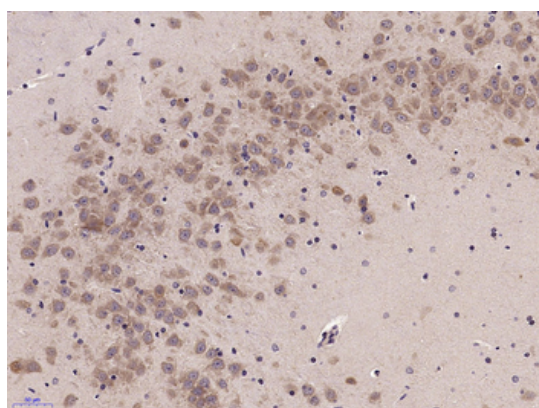
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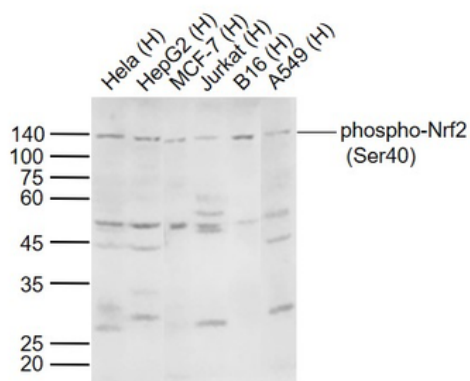
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Paraformaldehyde-fixed, paraffin embedded (Mouse brain), Antigen retrieval by microwave in sodium citrate buffer (pH6.0), Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (3% BSA) at RT for 30 min, Antibody incubation with (phospho-Nrf2 (Ser40)) Polyclonal Antibody, Unconjugated (orb6544) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain), Antigen retrieval by microwave in sodium citrate buffer (pH6.0), Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (3% BSA) at RT for 30 min, Antibody incubation with (phospho-Nrf2 (Ser40)) Polyclonal Antibody, Unconjugated (orb6544) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP) and DAB staining.



Sample: Lane 1: HeLa (Human) Cell Lysate at 30 ug, Lane 2: HepG2 (Human) Cell Lysate at 30 ug, Lane 3: MCF-7 (Human) Cell Lysate at 30 ug, Lane 4: Jurkat (Human) Cell Lysate at 30 ug, Lane 5: B16 (Human) Cell Lysate at 30 ug, Lane 6: A549 (Human) Cell Lysate at 30 ug, Primary: Anti-phospho-Nrf2 (Ser40) (orb6544) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 68 kD, Observed band size: 135 kD.

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