

## Product Datasheet

# ERK1 + ERK2 Rabbit Polyclonal Antibody (orb6018)

<b>Catalog Number</b>	orb6018
<b>Category</b>	Antibodies
<b>Description</b>	ERK1 + ERK2 Rabbit Polyclonal Antibody
<b>Target</b>	MAPK3
<b>Clonality</b>	Polyclonal
<b>Species/Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Conjugation</b>	Unconjugated
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted Reactivity</b>	Bovine, Canine, Equine, Gallus, Goat, Porcine, Rabbit, Sheep
<b>Form/Appearance</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Buffer/Preservatives</b>	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
<b>Purification</b>	Affinity purified by Protein A
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human ERK1/2 (251-358/358aa)
<b>UniProt ID</b>	<b>P27361</b>
<b>RRID</b>	AB_10922098

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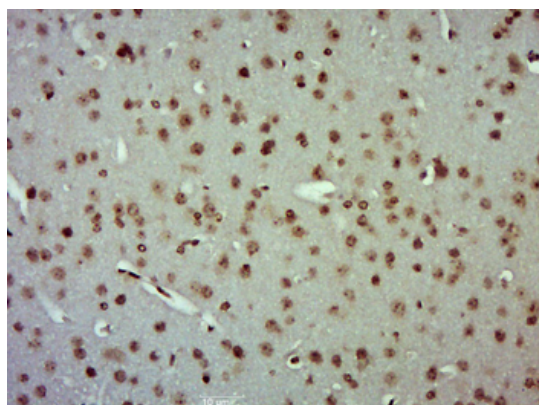
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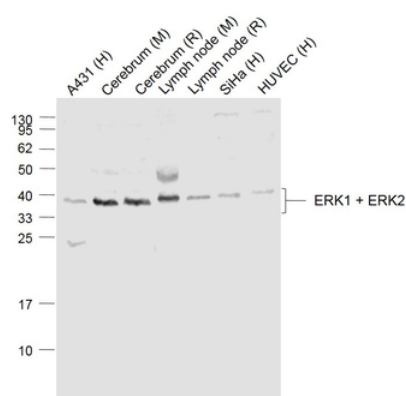
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<b>MW</b>	38 kDa
<b>Tested applications</b>	FC, ICC, IF, IHC-Fr, IHC-P, WB
<b>Dilution range</b>	WB=1:1000-5000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:50-200, IF=1:100-500, Flow-Cyt=1 µg/Test
<b>Antibody Type</b>	Primary Antibody
<b>Storage</b>	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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Paraformaldehyde-fixed, paraffin embedded (Mouse 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 (ERK1 + ERK2) Polyclonal Antibody, Unconjugated (orb6018) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



Sample: Lane 1: A431 (Human) Cell Lysate at 30 ug, Lane 2: Cerebrum (Mouse) Lysate at 40 ug, Lane 3: Cerebrum (Rat) Lysate at 40 ug, Lane 4: Lymph node (Mouse) Lysate at 40 ug, Lane 5: Lymph node (Rat) Lysate at 40 ug, Lane 6: SiHa (Human) Cell Lysate at 30 ug, Lane 7: HUVEC (Human) Cell Lysate at 30 ug, Primary: Anti-ERK1 + ERK2 (orb6018) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 44'42 kD, Observed band size: 38 kD.

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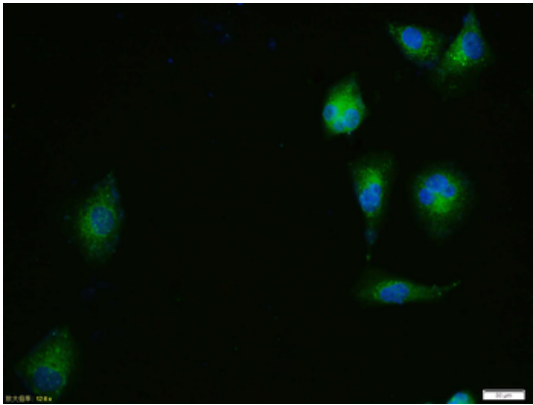
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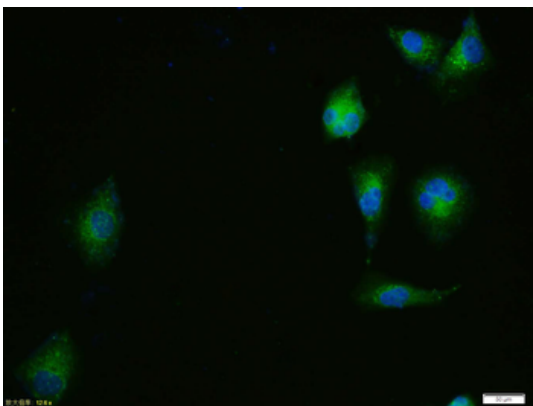
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Tissue/Cell: HUVEC cell, 4% Paraformaldehyde-fixed, Triton X-100 at room temperature for 20 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Antibody incubation with (ERK1 + ERK2) Polyclonal Antibody, Unconjugated (orb6018) 1:100, 90 minutes at 37°C, followed by a conjugated Goat Anti-Rabbit IgG antibody (orb868805) at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.



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