

Product Datasheet

ERK1/2 Mouse Monoclonal Antibody (orb500888)

Catalog Number	orb500888
Category	Antibodies
Description	ERK1/2 Mouse Monoclonal Antibody
Target	MAPK3
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	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 G
Immunogen	KLH conjugated synthetic peptide derived from human ERK1/2 (151-250/380aa)
UniProt ID	P27361
MW	43 kDa
Tested applications	FC, IF, IHC-Fr, IHC-P, WB

Biorbyt Ltd.

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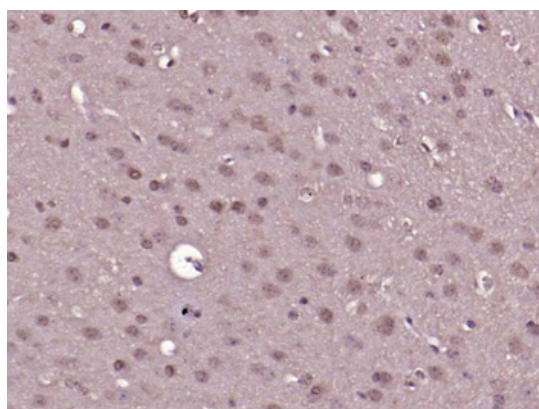
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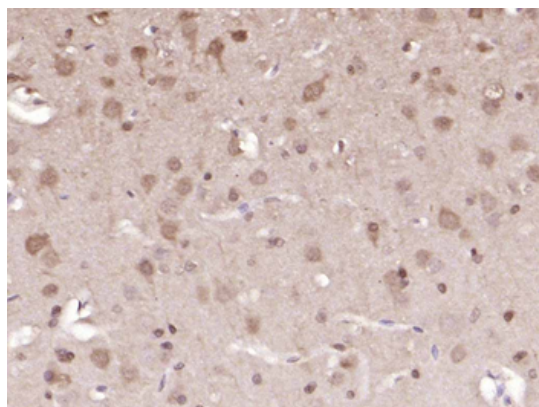
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Dilution range	WB=1:500-5000, IHC-P=1:500-2000, IHC-F=1:500-2000, IF=1:500-2000, Flow-Cyt=1µg/Test
Antibody Type	Primary Antibody
Clone Number	3G4
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only



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) Monoclonal Antibody, Unconjugated (ascites of orb500888) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.



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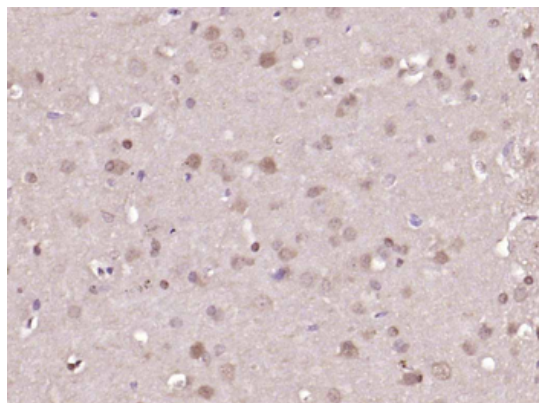
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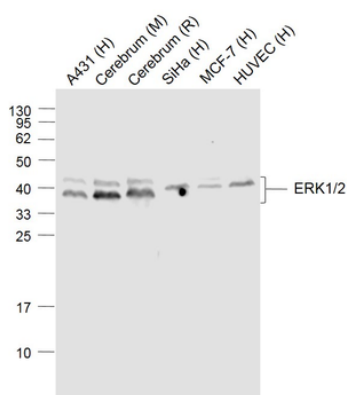
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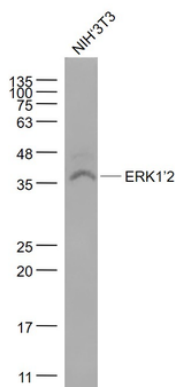
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Paraformaldehyde-fixed, paraffin embedded (rat brain), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (ERK1) Monoclonal Antibody, Unconjugated (ascites of orb500888) at 1:2000 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions 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: SiHa (Human) Cell Lysate at 30 ug, Lane 5: MCF-7 (Human) Cell Lysate at 30 ug, Lane 6: HUVEC (Human) Cell Lysate at 30 ug, Primary: Anti-ERK1/2 (orb500888) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution, Predicted band size: 44/42 kD, Observed band size: 40/42 kD.



Sample: NIH/3T3 (Mouse) Cell Lysate at 30 ug, Primary: Anti-ERK1/2 (orb500888) at 1/1000 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 43 kD, Observed band size: 38 kD.

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