

Product Datasheet

Anti-ERK1/2 Antibody (orb323140)

Description	Mouse monoclonal antibody to ERK1/2
Species/Host	Mouse
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Tested Applications	IH, WB
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence of human ERK1/2. The exact sequence is proprietary.
Target	MAPK1; MAPK3
Preservatives	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Form/Appearance	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
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
Clonality	Monoclonal
Antibody Type	Primary Antibody
Source	Mouse
Uniprot ID	P27361, P28482
Entrez	5594, 5595
Dilution Range	WB: 1:1000-1:2000, IHC-P: 1:100-1:200

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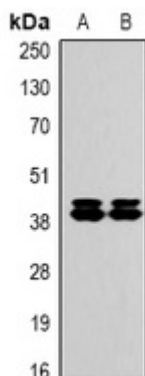
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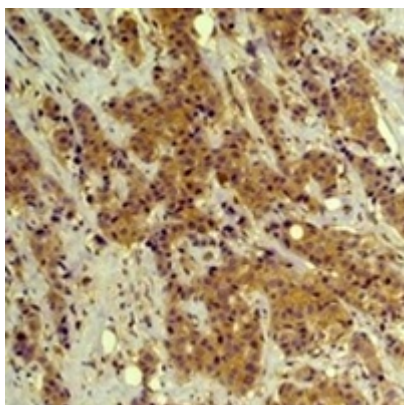
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Expiration Date

12 months from date of receipt.



Western blot analysis of ERK1/2 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 43; 41 kD; Observed band size: 44; 42 kD)



Immunohistochemical analysis of ERK1/2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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