

Product Datasheet

Anti-ERK1/2 (pY204) Antibody (orb1421915)

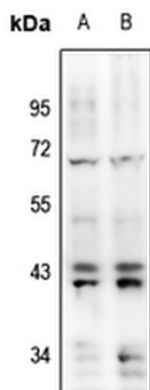
Description	Rabbit polyclonal antibody to ERK1/2 (pY204).
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat, Zebrafish
Conjugation	Unconjugated
Tested Applications	IF, IHC, WB
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
Note	For research use only
Clonality	Polyclonal
Clone Number	MAPK1; MAPK3
Uniprot ID	P28482, P27361
Dilution Range	WB: WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500), IF: WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500), E: WB (1/500 - 1/1000), IH (1/50 - 1/200), IF/IC (1/100 - 1/500)
Expiration Date	12 months from date of receipt.

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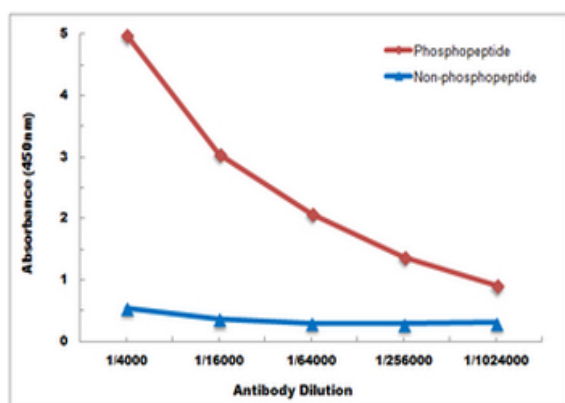
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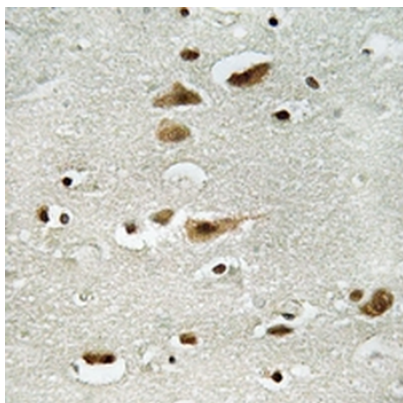
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Western blot analysis of ERK1/2 (pY204) expression in HCT116 (A), A549 (B) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-ERK1/2 (pY204) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.



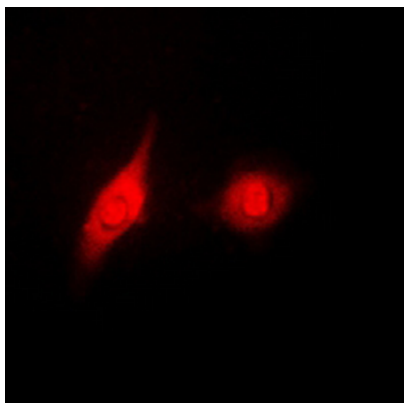
Immunohistochemical analysis of ERK1/2 (pY204) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6.0). The section was then incubated with the antibody at room temperature and detected 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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Immunofluorescent analysis of ERK1/2 (pY204) staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4°C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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