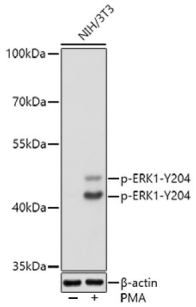
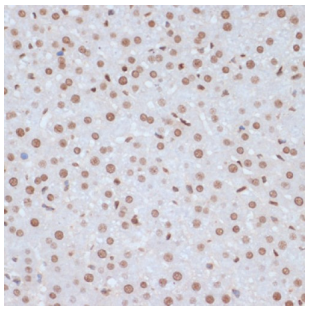
Mitogen-Activated Protein Kinase 3 Phospho-Tyr204 (MAPK3 pY204) Antibody

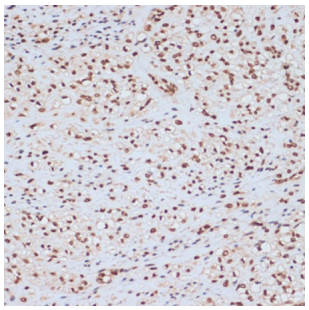
Catalogue No.:abx000287



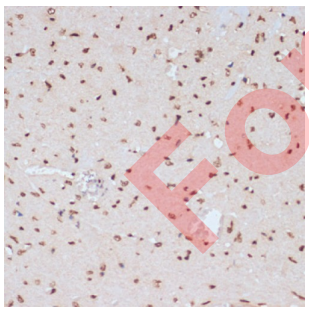
Western blot analysis of lysates from NIH/3T3 cells, using Phospho-ERK1-Y204 + ERK2-Y187 Antibody at 1/1000 dilution. NIH/3T3 cells were treated by PMA/TPA (200 nM) at 37 °C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



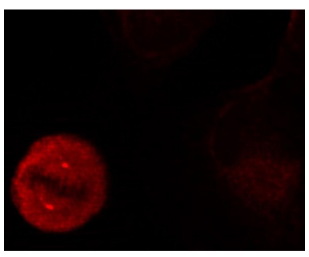
Immunohistochemistry analysis of paraffin-embedded Rat liver using Phospho-ERK1-Y204 + ERK2-Y187 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human uterus usingPhospho-ERK1-Y204 + ERK2-Y187 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse heart using Phospho-ERK1-Y204 + ERK2-Y187 Antibody at dilution of 1/100 (40x lens). Microwave antigen retrieval performed in 0.01 M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of methanol-fixed HeLa cells showing centrosome and nuclear staining using Phospho-ERK1-Y204 + ERK2-Y187 Antibody.

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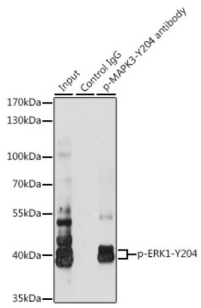

Immunoprecipitation analysis of 200 µg extracts of Jurkat cells, using 3 µg Phospho-ERK1-Y204 + ERK2-Y187 Antibody. Western blot was performed from the immunoprecipitate using Phospho-ERK1-Y204 antibody at a dilution of 1/1000. Jurkat cells were treated by PMA/TPA (200 nM) at 37 °C for 10 minutes.

MAPK3 (pY204) Antibody is a Rabbit Polyclonal antibody against MAPK3 (pY204). The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described.

Target:	Mitogen-Activated Protein Kinase 3 Phospho-Tyr204 (MAPK3 pY204)
Clonality:	Polyclonal
Reactivity:	Human, Mouse, Rat
Tested Applications:	ELISA, WB, IHC, IF/ICC, IP
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/1000, IHC-P: 1/50 - 1/100, IF/ICC: 1/100 - 1/200, IP: 0.5 µg - 4 µg antibody per 200 µg - 400 µg extracts of whole cells. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	A synthetic phosphorylated peptide around Y204 of human ERK1.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P27361 (UniProt, ExPASy)
Gene Symbol:	MAPK3

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GeneID:	5595
NCBI Accession:	NP_002737.2
KEGG:	hsa:5595
String:	9606.ENSP00000263025
Molecular Weight:	Calculated MW: 43 kDa Observed MW: 42/44 kDa
Buffer:	PBS, pH 7.3, containing 0.01% thimerosal, 50% glycerol.
Concentration:	> 0.2 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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