

## Product datasheet for TA324783S

### ERK1 (MAPK3) Rabbit Polyclonal Antibody

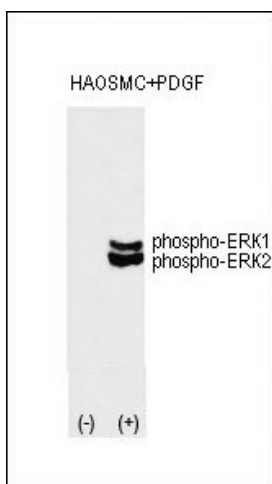
#### Product data:

Product Type:	Primary Antibodies
Applications:	Dot, WB
Recommended Dilution:	DB: 1:500, WB: 1:1000
Reactivity:	Human (Predicted: Mouse, Rat, Drosophila)
Modifications:	Phospho-specific
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This ERK1/2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T202/Y204 of human ERK1/2.
Formulation:	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	43136 Da
Gene Name:	mitogen-activated protein kinase 3
Database Link:	<a href="#">NP_002737</a> <a href="#">Entrez Gene 26417 Mouse</a> <a href="#">Entrez Gene 50689 Rat</a> <a href="#">Entrez Gene 5595 Human</a> <a href="#">P27361</a>
Synonyms:	ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; P44ERK1; P44MAPK; PRKM3
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase

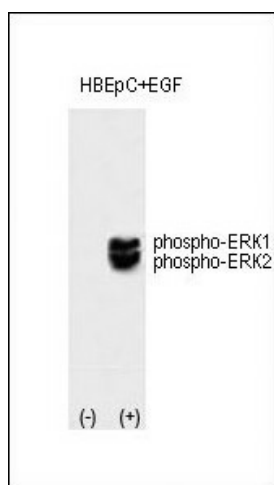

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**Protein Pathways:**

Acute myeloid leukemia, Adherens junction, Alzheimer's disease, Axon guidance, B cell receptor signaling pathway, Bladder cancer, Chemokine signaling pathway, Chronic myeloid leukemia, Colorectal cancer, Dorso-ventral axis formation, Endometrial cancer, ErbB signaling pathway, Fc epsilon RI signaling pathway, Fc gamma R-mediated phagocytosis, Focal adhesion, Gap junction, Glioma, GnRH signaling pathway, Insulin signaling pathway, Long-term depression, Long-term potentiation, MAPK signaling pathway, Melanogenesis, Melanoma, mTOR signaling pathway, Natural killer cell mediated cytotoxicity, Neurotrophin signaling pathway, NOD-like receptor signaling pathway, Non-small cell lung cancer, Oocyte meiosis, Pancreatic cancer, Pathways in cancer, Prion diseases, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, T cell receptor signaling pathway, TGF-beta signaling pathway, Thyroid cancer, Toll-like receptor signaling pathway, Type II diabetes mellitus, Vascular smooth muscle contraction, VEGF signaling pathway

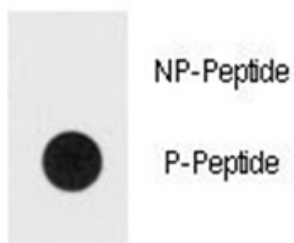
**Product images:**


Western blot analysis of ERK1/2 (arrow) using rabbit polyclonal P-MAPK (T202/Y204) (Cat.# [TA324783]). HAOSMC cell lysates either transiently induced (Lane 2) or noninduced with the PDGF (Lane 1) (2 ug/lane).



Western blot analysis of ERK1/2 (arrow) using rabbit polyclonal P-MAPK (T202/Y204) (Cat.# [TA324783]). HBEpC cell lysates either transiently induced (Lane 2) or noninduced with the EGF (Lane 1) (2 ug/lane).

P-Pab



Dot blot analysis of Bi-phospho-ERK1/2-T202/Y204 Antibody (Cat.#[TA324783]) on nitrocellulose membrane. 50ng of Bisphospho-peptide or Non Phosphorylated peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

Dot Blot