

Product datasheet for **TA324783**

ERK1 (MAPK3) Rabbit Polyclonal Antibody

Product data:

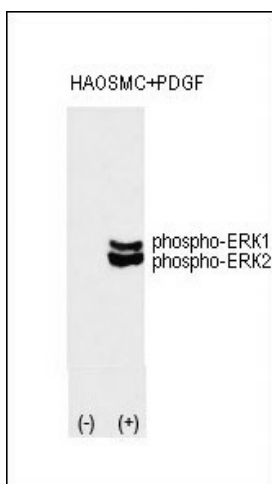
| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | Dot, WB |
| Recommended Dilution: | DB: 1:500, WB: 1:1000 |
| Reactivity: | Human (Predicted: Mouse, Rat, Drosophila) |
| Modifications: | Phospho-specific |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | 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: | NP_002737 Entrez Gene 26417 Mouse Entrez Gene 50689 Rat Entrez Gene 5595 Human P27361 |
| Synonyms: | ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; P44ERK1; P44MAPK; PRKM3 |
| Protein Families: | Druggable Genome, ES Cell Differentiation/IPS, Protein Kinase |



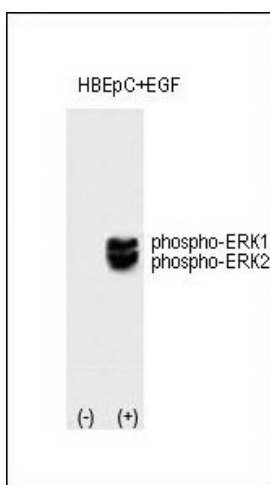
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Protein Pathways:

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

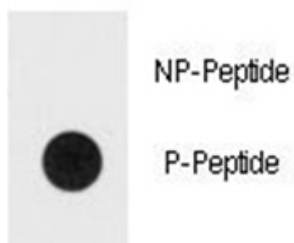
Product images:

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