

Datasheet for ABIN6241031
anti-MAPK6 antibody (pSer189)[Go to Product page](#)

1 Image

5 Publications

Overview

Quantity:	400 µL
Target:	MAPK6
Binding Specificity:	pSer189
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAPK6 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Phospho-ERK3-S189 antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S189 of human ERK3.
Clone:	RB5800
Isotype:	Ig Fraction
Predicted Reactivity:	C, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MAPK6
---------	-------

Target Details

Alternative Name:	ERK3 (MAPK6 Products)
Background:	ERK3 is a member of the Ser/Thr protein kinase family, and is most closely related to mitogen-activated protein kinases (MAP kinases). MAP kinases also known as extracellular signal-regulated kinases (ERKs), are activated through protein phosphorylation cascades and act as integration points for multiple biochemical signals. This kinase is localized in the nucleus, and has been reported to be activated in fibroblasts upon treatment with serum or phorbol esters.
Molecular Weight:	82681
NCBI Accession:	NP_002739
UniProt:	Q16659
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Regulation of Muscle Cell Differentiation , Hepatitis C

Application Details

Application Notes:	IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Wang, Kong, Lin, Li, Izumiya, Ding, Zhang, Hu, Yang, Gao, Lam, Li: "A versatile nanoplatfrom for synergistic combination therapy to treat human esophageal cancer." in: Acta pharmacologica Sinica , Vol. 38, Issue 6, pp. 931-942, (2018) (PubMed).
	Perander, Al-Mahdi, Jensen, Nunn, Kildalsen, Johansen, Gabrielsen, Keyse, Seternes: "

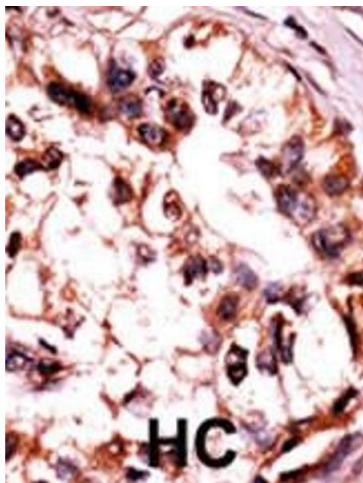
Regulation of atypical MAP kinases ERK3 and ERK4 by the phosphatase DUSP2." in: **Scientific reports**, Vol. 7, pp. 43471, (2017) ([PubMed](#)).

De la Mota-Peynado, Chernoff, Beeser: "Identification of the atypical MAPK Erk3 as a novel substrate for p21-activated kinase (Pak) activity." in: **The Journal of biological chemistry**, Vol. 286, Issue 15, pp. 13603-11, (2011) ([PubMed](#)).

Purcell, Wilkins, York, Saba-El-Leil, Meloche, Robbins, Molkentin: "Genetic inhibition of cardiac ERK1/2 promotes stress-induced apoptosis and heart failure but has no effect on hypertrophy in vivo." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 104, Issue 35, pp. 14074-9, (2007) ([PubMed](#)).

Sakai, Yamauchi, Kawano: "[Measurement of internal voids in impression material using a digital image analyzer. Part 1. Investigation of the measurement system of a digital image analyzer]." in: **Nihon Hotetsu Shika Gakkai zasshi**, Vol. 32, Issue 1, pp. 28-36, (1989) ([PubMed](#)).

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.