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Datasheet for ABIN562406
anti-ERK1 antibody (AA 279-379)

7 Images

Overview

Quantity:	100 µg
Target:	ERK1 (MAPK3)
Binding Specificity:	AA 279-379
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ERK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant MAPK3.
Immunogen:	MAPK3 (AAH13992, 279 a.a. ~ 379 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	NYLQSLPSKT KVAWAKLFPK SDSKALDLLD RMLTFNPNKR ITVEEALAHF YLEQYYDPTD EPVAEEPFTF AMELDDLPKE RLKELIFQET ARFQPGVLEA P
Clone:	3C9
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

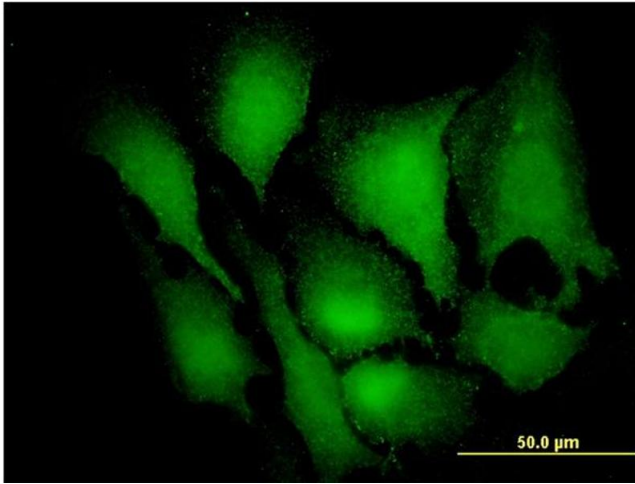
Target:	ERK1 (MAPK3)
Alternative Name:	MAPK3 (MAPK3 Products)
Background:	Full Gene Name: mitogen-activated protein kinase 3 Synonyms: ERK1,HS44KDAP,HUMKER1A,MGC20180,P44ERK1,P44MAPK,PRKM3
Gene ID:	5595
Pathways:	MAPK Signaling , RTK Signaling , Interferon-gamma Pathway , Fc-epsilon Receptor Signaling Pathway , Neurotrophin Signaling Pathway , Response to Growth Hormone Stimulus , Activation of Innate immune Response , Cellular Response to Molecule of Bacterial Origin , Hepatitis C , Protein targeting to Nucleus , Toll-Like Receptors Cascades , Signaling Events mediated by VEGFR1 and VEGFR2 , Signaling of Hepatocyte Growth Factor Receptor , VEGFR1 Specific Signals , S100 Proteins

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

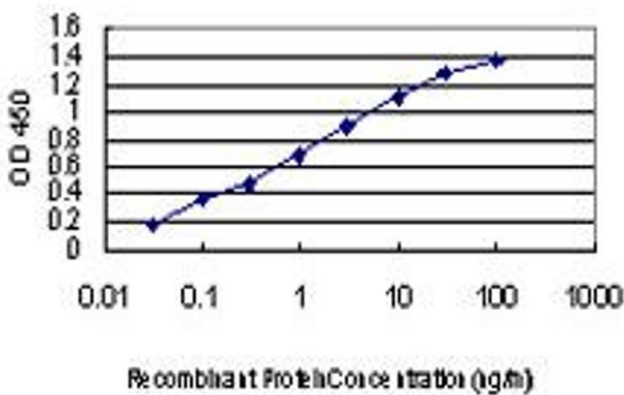
Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.



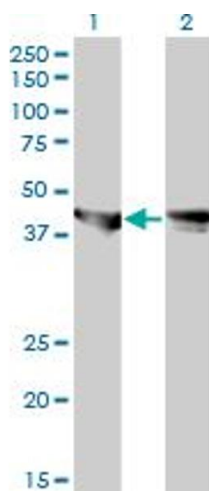
Immunofluorescence

Image 1. Immunofluorescence of monoclonal antibody to MAPK3 on HeLa cell. [antibody concentration 25 ug/ml]



ELISA

Image 2. Detection limit for recombinant GST tagged MAPK3 is approximately 0.1ng/ml as a capture antibody.



Western Blotting

Image 3. Western Blot analysis of MAPK3 expression in transfected 293T cell line by MAPK3 monoclonal antibody (M01), clone 3C9.

Lane 1: MAPK3 transfected lysate(43.1 KDa).

Lane 2: Non-transfected lysate.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN562406.