

AB-NK055/56-2

Erk1/2 Antibody

Pan-specific polyclonal antibody for monitoring the expression of rat protein-serine/threonine kinase Erk1/2



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Extracellular regulated protein-serine kinase 1 (p44 MAP kinase, MAPK3); and Extracellular regulated protein-serine kinase 2 (p42 MAP kinase, MAPK1)
Alias:	[ERK-1; ERT2; Insulin-stimulated MAP2 kinase; Kinase ERK1; MAP kinase 1; MAPK 1; MAPK1; MAPK3; PRKM3; p44ERK1; p44MAPK; MGC20180; ENSG00000102882] and [ERK; ERK-2; ERT1; Extracellular signal regulated kinase 2; Kinase ERK2; MAP kinase 2; MAP kinase isoform p42; MAPK; MAPK 2; PRKM2; p41mapk; CCDS13795.1; ENSG00000100030]
UniProt ID:	P21708 - Rat
Human Predicted Mass (KDa):	43.136 (379 AA; P27361); 40.088 (357 AA; P27361-3); 38.275 (335 AA; P27361-2) for ERK1, 41.390 (360 AA; P28482); 36.432 (316 AA; P28482-2) for ERK2
Observed SDS-PAGE Mass (KDa):	40-44 (ERK2) + 42-47 (ERK1)

Immunogen

Antibody Immunogen Source:	A 35 residue synthetic peptide, corresponding to Erk1 MAP kinase with the CGG spacer group added and the peptide coupled to KLH.
-----------------------------------	--

Production

Antibody Host Species:	Rabbit
Antibody Type:	Polyclonal
Antibody Ig Isotype Clone Lot:	84 Mix
Antibody Purification:	Rabbit antiserum
Amount:	25 µl
Antibody Concentration:	N/A
Lot Number:	15DE1
Storage Buffer:	Rabbit antiserum
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB, IHC, ICC, IF
Antibody Dilution Recommended:	1:5000 (ECL) (WB), 1:50 (IHC), 10µg/ml (Flow cytometry)
Antibody Species Reactivity:	Human, Mouse, Rat, Cow, Sheep, Chicken, Drosophila, Xenopus
Antibody Positive Control:	1:5000 (ECL) (WB), 1:50 (IHC), 10 µg/ml (Flow cytometry)
Target Detection Immunoblotting:	Detects a ~44 kDa (ERK1) and ~42 kDa (ERK2) proteins.
Antibody Specificity:	Very high

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987