

Datasheet for ABIN969213
anti-IKKi/IKKe antibody (AA 1-257)[Go to Product page](#)

1 Image

3 Publications

Overview

Quantity:	100 µL
Target:	IKKi/IKKe (IKBKE)
Binding Specificity:	AA 1-257
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Purified recombinant fragment of IKBKE (aa1-257) expressed in E. coli.
Clone:	6B4B5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	IKKi/IKKe (IKBKE)
Alternative Name:	IKBKE (IKBKE Products)
Background:	Description: Inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon. The transcription factor NF-κB is retained in the cytoplasm in an inactive form by the inhibitory protein IκB. Activation of NF-κB requires that IκB be phosphorylated on specific serine residues, which results in targeted degradation of IκB. IκB kinase α(IKKα), previously designated CHUK,

Target Details

interacts with I κ B- α and specifically phosphorylates I κ B- α on the sites that trigger its degradation, serines 32 and 36. The functional IKK complex contains three subunits, IKK α , IKK β and IKK γ (also designated NEMO), and each appear to make essential contributions to I κ B phosphorylation. IKK-i is a serine/threonine kinase that shares homology with IKK α and IKK β . IKK-i is primarily expressed in immune cells and is induced by lipopolysaccharide and by proinflammatory cytokines including TNF α , IL-1 and IL-6. Overexpression of IKK-i was shown to result in phosphorylation of I κ B- α on Ser32 and Ser36, and in NF κ B activation, suggesting that IKK-i may act as an I κ B kinase in the immune system.

Aliases: IKBKE

Gene ID: 9641

HGNC: 9641

Pathways: [TLR Signaling](#), [Activation of Innate immune Response](#), [Hepatitis C](#), [Toll-Like Receptors Cascades](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % 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

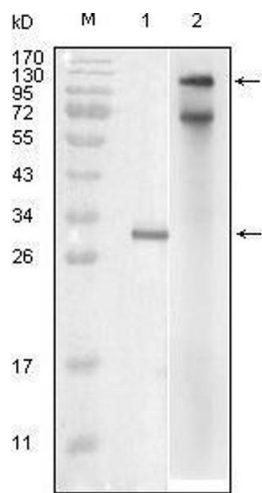
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: **BMC genomics**, Vol. 20, Issue

1, pp. 15, (2019) ([PubMed](#)).

Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary immunology and immunopathology**, Vol. 182, pp. 52-58, (2016) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis using IKBKE mouse mAb against truncated IKBKE recombinant protein (1) and full-length IKBKE(aa1-716)-hlgGFc transfected COS7 cell lysate (2).