

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IKKα when phosphorylated at S176/S180.
Source	Monoclonal Rat IgG _{2A} Clone # 829177
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing the human IKKα S176/S180 Accession # O15111
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

IκB kinase alpha (IKKα) is also known as IKBKA, CHUK, and IKK1. The classical active IKK complex, composed of IKKα, IKKβ, and two forms of processed IKKγ, phosphorylates and inactivates IκB, resulting in the release and nuclear translocation of active NF-κB. IKKα contains kinase, leucine zipper, and helix-loop-helix domains, and heterodimerizes with IKKβ. NF-κB-inducing kinase (NIK) phosphorylates and activates IKKα.

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