

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IKK α 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 IKK α S176/S180 Accession # O15111
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

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

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