

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human, mouse, and rat IKKε.
Source	Monoclonal Mouse IgG ₁ Clone # 346909
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human IKKε Met1-Val716 Accession # Q14164
Conjugate	Alexa Fluor 532 Excitation Wavelength: 534 nm Emission Wavelength: 553 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.
Immunocytochemistry	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 epsilon (IKKε) is also known as IKBKE and IKKi. 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. IKKε is an IKK-related kinase with 30% structural homology to IKKα and β, and is present in a subset of IKK complexes. IKKε activation has been implicated in the initiation of anti-viral gene expression and in the pathogenesis of breast cancer.

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