

Product Specification Sheet

Product: anti-IKK α [Rabbit]

Code: 100-401-219

Lot # 6833

Size: 100 μ l

Physical State: Liquid (sterile filtered)

Antibody Concentration: 80.0 mg/ml (by Refractometry)

Buffer: None

Stabilizer: None

Preservative: 0.01% (w/v) Sodium Azide

Application(s): Suitable for immunoprecipitation, immunoblotting and ELISA.

Background: NF κ B comprises a family of cellular transcription factors that are involved in the inducible expression of a variety of cellular genes that regulate the inflammatory response and control of cell death. In the cytoplasm NF κ B is negatively modulated by the inhibitory proteins I κ B. In turn I κ B is phosphorylated by a cellular kinase complex called IKK. IKK is a heterodimer composed of two kinases: IKK- α and IKK- β that phosphorylate I κ B leading to its degradation and the resulting translocation of NF κ B to the nucleus. IKK kinase activity is modulated negatively by pharmaceutical agents such as aspirin and positively by various cellular components such as TNF- α , endotoxins and overexpression of cellular kinases like MEKK1. Aspirin appears to have its effect by inhibiting the binding of ATP to IKK.

Recommended Dilution(s): This product was assayed by immunoblot and found to be reactive against IKK α at a dilution of 1:1000 followed by reaction with Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) code #611-1302. Anti-IKK α is suitable for the detection by immunoblot of human, mouse and rat IKK α showing an 85 kDa band. Optimal titers for other applications should be determined by the researcher.

Storage Conditions: Store vial at -20° C or below prior to opening. Dilute only prior to immediate use. Aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Expiration date is six (6) months from date of opening product.

Purity: This product was prepared from monospecific antiserum by delipidation and defibrination. Anti- IKK α may react non-specifically with other proteins. Control peptide (code #100-401-219p) will compete only with the specific reaction of antiserum with the IKK α subunit.

Immunogen: IKK α peptide corresponding to the highly conserved C-terminus region of the human protein conjugated to Keyhole Limpet Hemocyanin (KLH).

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.