

**Product Name: IKBKE Mouse Monoclonal Antibody****Catalog #: AMM80623**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	PBS containing 0.03% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	/

**Antigen Information**

<b>Gene Name</b>	IKBKE
<b>Alternative Names</b>	IKBKE
<b>Gene ID</b>	9641.0
<b>SwissProt ID</b>	Q14164
<b>Immunogen</b>	Purified recombinant fragment of IKBKE (aa1-257) expressed in E. Coli.

**Background**

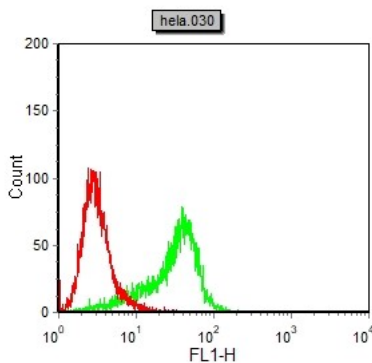
Serine/threonine kinase that plays an essential role in regulating inflammatory responses to viral infection, through the activation of the type I IFN, NF-kappa-B and STAT signaling. Also involved in TNFA and inflammatory cytokines, like Interleukin-1, signaling. Following activation of viral RNA sensors, such as RIG-I-like receptors, associates with DDX3X and phosphorylates

interferon regulatory factors (IRFs), IRF3 and IRF7, as well as DDX3X. This activity allows subsequent homodimerization and nuclear translocation of the IRF3 leading to transcriptional activation of pro-inflammatory and antiviral genes including IFNB. In order to establish such an antiviral state, IKBKE forms several different complexes whose composition depends on the type of cell and cellular stimuli. Thus, several scaffolding molecules including IPS1/MAVS, TANK, AZI2/NAP1 or TBKBP1/SINTBAD can be recruited to the IKBKE-containing-complexes. Activated by polyubiquitination in response to TNFA and interleukin-1, regulates the NF-kappa-B

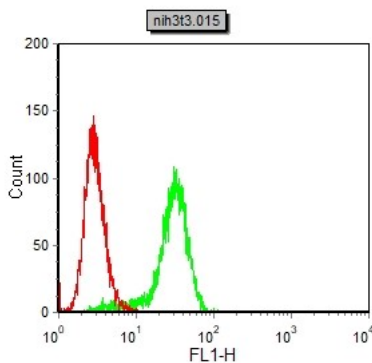
## Research Area

Jak-STAT signaling pathway

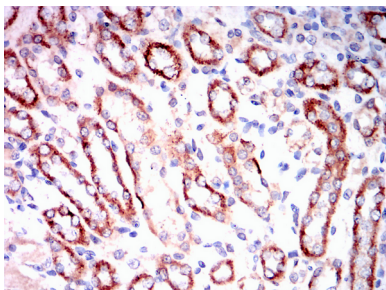
## Image Data



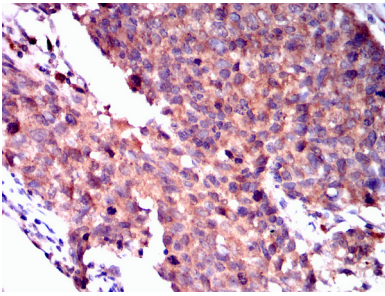
Flow cytometric analysis of HeLa cells using IKBKE mouse mAb (green) and negative control (red).



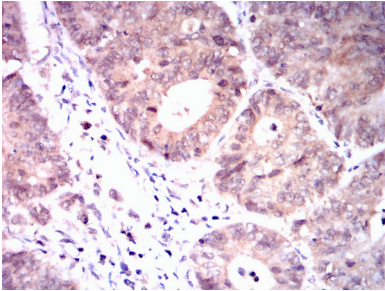
Flow cytometric analysis of NH3T3 cells using IKBKE mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded rat kidney tissues using IKBKE mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using IKBKE mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human colon cancer