Product Datasheet

IKK beta Antibody (10AG2)

NB100-56509

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

Reviews: 1  Publications: 51

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www.novusbio.com/NB100-56509

Updated 1/28/2018 v.20.1
**NB100-56509**
IKK beta Antibody (10AG2)

### Product Information

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unit Size</td>
<td>0.1 mg</td>
</tr>
<tr>
<td>Concentration</td>
<td>1.0 mg/ml</td>
</tr>
<tr>
<td>Storage</td>
<td>Store at -20C. Avoid freeze-thaw cycles.</td>
</tr>
<tr>
<td>Clonality</td>
<td>Monoclonal</td>
</tr>
<tr>
<td>Clone</td>
<td>10AG2</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.05% Sodium Azide</td>
</tr>
<tr>
<td>Isotype</td>
<td>IgG1</td>
</tr>
<tr>
<td>Purity</td>
<td>Protein G purified</td>
</tr>
<tr>
<td>Buffer</td>
<td>PBS</td>
</tr>
<tr>
<td>Target Molecular Weight</td>
<td>86.564 kDa</td>
</tr>
</tbody>
</table>

### Product Description

- **Host**: Mouse
- **Gene ID**: 3551
- **Gene Symbol**: IKBKB
- **Species**: Human, Mouse
- **Specificity/Sensitivity**: An approx. 87 kDa band should be observed.
- **Immunogen**: A full-length human IKKb recombinant protein was used to immunize mice (NP_001547).

### Product Application Details

#### Applications
- Western Blot, Simple Western, Flow Cytometry,
- Immunocytochemistry/Immunofluorescence, Immunohistochemistry,
- Immunohistochemistry-Paraffin, Immunoprecipitation, CyTOF-ready

#### Recommended Dilutions
- Western Blot 2 - 4 ug/ml, Simple Western 1:12.5, Flow Cytometry 0.25 - 0.5 ug/10^6 cells, Immunohistochemistry 1:10 - 1:500,
- Immunocytochemistry/Immunofluorescence, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:500, CyTOF-ready

#### Application Notes
- Useful in Immunohistochemistry-Paraffin See Page et al. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 24825920)
- In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue.
- The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.
Images

Western Blot: IKK beta Antibody (10AG2) [NB100-56509] - Analysis of A) human Daudi, B) HeLa, and C) mouse NIH3T3 lysate probed with IKKbeta antibody at 2 ug/ml.

Immunohistochemistry-Paraffin: IKK beta Antibody (10AG2) [NB100-56509] - Formalin-fixed, paraffin-embedded human gall bladder probed with IKKbeta antibody at 5 ug/ml. Human tissue TMA was used for this test. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.

Flow Cytometry: IKK beta Antibody (10AG2) [NB100-56509] - Analysis of PE conjugate of NB100-56509. An intracellular stain was performed on Jurkat cells with IKK Beta antibody (10AG2) NB100-56509PE (blue) and a matched isotype control NBP2-27287AF488 (orange). Cells were fixed with 4% PFA and then permeablized wi

Flow Cytometry: IKK beta Antibody (10AG2) [NB100-56509] - Intracellular staining of HEK293 cells with 0.5 ug of IKKbeta antibody (red) and 0.5 ug of isotype control antibody (20109, green). Intracellular flow kit was used for this test, and an anti-mouse IgG1 PE conjugated secondary.
Flow Cytometry: IKK beta Antibody (10AG2) [NB100-56509] - Analysis using the Alexa Fluor (R) 488 conjugate of NB100-56509. Staining of IKKbeta in HEK 293 cells using 0.1 ug of Alexa Fluor 488-conjugated antibody. Green histogram represents the isotype control, red represents the IKKbeta antibody.

Flow Cytometry: IKK beta Antibody (10AG2) [NB100-56509] - Analysis using Alexa Fluor (R) 647 conjugate of NB100-56509. An intracellular stain was performed on HeLa cells with IKK beta antibody (10AG2) NB100-56509 (blue) and a matched isotype control NBP2-27287 (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. 1 ug of antibody was added to 100 uL of staining buffer and cells were incubated for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647.

Simple Western: IKK beta Antibody (10AG2) [NB100-56509] - Simple Western lane view shows a specific band for IKK beta in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.

Publications

Cleary MM, Mansoor A, Settelmeyer T et al. NFkB signaling in alveolar rhabdomyosarcoma Dis Model Mech 2017 Sep 01 [PMID: 28883017] (WB, Mouse)


Harikumar KB, Sung B, Pandey MK et al. Escin, a pentacyclic triterpene, chemosensitizes human tumor cells through inhibition of nuclear factor-kappaB signaling pathway Mol Pharmacol

Details:
This publication used the Alexa Fluor (R) 488 conjugated form of this antibody (Cat# NBP2-24962).

Details:
This citation used the Alexa Fluor 488 version of this antibody.


Details:
IP & WB: Fig 5C, Primary chondrocytes and mesenchymal stem cells. The IKK beta mAb immunoprecipitated an active immune complex as shown by an immune complex assay (Fig 5C).


Details:
IKK-alpha/IKK1 (IMG-136A): WB (human KMB-5 cells), Fig. 2C. 2. IKKb/IKK2 (IMG-129A): WB (human KMB-5 cells), Fig. 2C.


Details:
IMG-136A (IKKa/IKK1): WB (human multiple myeloma U266 cells), Fig. 3A, C. 2. IMG-129A (IKKb/IKK1): WB (human multiple myeloma U266 cells), Fig. 3A, C.


Details:
IKKa [IMG-136A] IP (TNF-treated KBM-5 cells incubated with plumbagin), Fig. 4c WB (TNF-treated KBM-5 cells incubated with plumbagin), Fig. 4c 2. IKKb [IMG-129A] WB (TNF-treated KBM-5 cells incubated with plumbagin), Fig. 4c 3. cFLIP [IMG-116] WB (TNF-treated KBM-5 cells incubated with plumbagin), Fig. 5c.


Details:
WB (nontransgenic and K5-GR mouse dorsal skin), Fig. 2a.

More publications at http://www.novusbio.com/NB100-56509
Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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