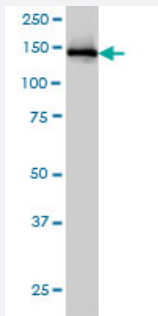


# IKBKAP monoclonal antibody (M03), clone 6G9

Catalog # H00008518-M03

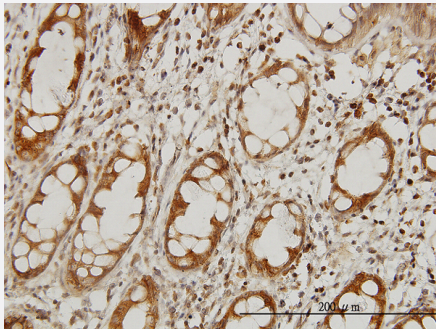
Size 100 ug

## Applications



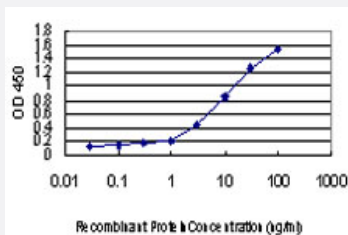
### Western Blot (Cell lysate)

IKBKAP monoclonal antibody (M03), clone 6G9 Western Blot analysis of IKBKAP expression in HeLa ( Cat # L013V1 ).



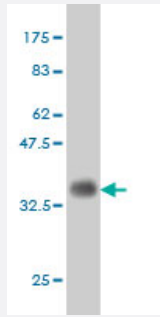
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to IKBKAP on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IKBKAP is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.64 KDa) .

## Specification

|                                      |                                                                                                                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Mouse monoclonal antibody raised against a partial recombinant IKBKAP.                                                |
| <b>Immunogen</b>                     | IKBKAP (NP_003631, 1242 a.a. ~ 1331 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>                      | VLFLFEFDEQGRELQKAFEDTLQLMERSLPEIWLTYQQNSATPVLGPNSTANSIMASYQQQKTS<br>VPVLDAELFIPPKINRRTQWKLSLL                         |
| <b>Host</b>                          | Mouse                                                                                                                 |
| <b>Reactivity</b>                    | Human                                                                                                                 |
| <b>Interspecies Antigen Sequence</b> | Mouse (73); Rat (77)                                                                                                  |
| <b>Isotype</b>                       | IgG1 Kappa                                                                                                            |
| <b>Quality Control Testing</b>       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (35.64 KDa) .              |
| <b>Storage Buffer</b>                | In 1x PBS, pH 7.4                                                                                                     |
| <b>Storage Instruction</b>           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                              |

## Applications

- Western Blot (Cell lysate)

IKBKAP monoclonal antibody (M03), clone 6G9 Western Blot analysis of IKBKAP expression in HeLa ( Cat # L013V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to IKBKAP on formalin-fixed paraffin-embedded human colon. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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[Protocol Download](#)

- ELISA

## Gene Info — IKBKAP

Entrez GeneID [8518](#)

GeneBank Accession# [NM\\_003640](#)

Protein Accession# [NP\\_003631](#)

Gene Name IKBKAP

Gene Alias DKFZp781H1425, DYS, ELP1, FD, FLJ12497, IKAP, IKI3, TOT1

Gene Description inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase complex-associated protein

Omim ID [223900 603722](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a scaffold protein and a regulator for 3 different kinases involved in proinflammatory signaling. This encoded protein can bind NF-kappa-B-inducing kinase (NIK) and IKKs through separate domains and assemble them into an active kinase complex. Mutations in this gene have been associated with familial dysautonomia. [provided by RefSeq]

**Other Designations** OTTHUMP00000021869|OTTHUMP00000063889

## Publication Reference

- [Carnosol, a diterpene present in rosemary, increases ELP1 levels in familial Dysautonomia \(FD\) patient-derived cells and healthy adults: a possible therapy for FD.](#)

Sylvia L Anderson, Faaria Fasih-Ahmad, Anthony J Evans, Berish Y Rubin.

Human Molecular Genetics 2022 Oct; 31(20):3521.

Application: WB-Ce, Human, GM02343, GM04663 cells

- [Antisense oligonucleotides correct the familial dysautonomia splicing defect in IKBKAP transgenic mice.](#)

Sinha R, Kim YJ, Nomakuchi T, Sahashi K, Hua Y, Rigo F, Bennett CF, Krainer AR.

Nucleic Acids Research 2018 Jun; 46(10):4833.

Application: WB, Human, Mouse, Brain, GM04899 cells

- [Familial Dysautonomia \(FD\) Human Embryonic Stem Cell Derived PNS Neurons Reveal that Synaptic Vesicular and Neuronal Transport Genes Are Directly or Indirectly Affected by IKBKAP Downregulation.](#)

Lefler S, Cohen MA, Kantor G, Cheishvili D, Even A, Birger A, Turetsky T, Gil Y, Even-Ram S, Aizenman E, Bashir N, Maayan C, Razin A, Reubinoﬀ BE, Weil M.

PloS One 2015 Oct; 10(10):e0138807.

Application: IF, Human, Neurons

## Disease

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- [Cystic fibrosis](#)
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- [Dysautonomia](#)
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- [Genetic Predisposition to Disease](#)
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