

# Product Datasheet

## MKL2 Antibody NBP1-46209

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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### Publications: 5

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**NBP1-46209****MKL2 Antibody**

| <b>Product Information</b>     |                             |
|--------------------------------|-----------------------------|
| <b>Unit Size</b>               | 0.1 ml                      |
| <b>Concentration</b>           | 0.2 mg/ml                   |
| <b>Storage</b>                 | Store at 4C. Do not freeze. |
| <b>Clonality</b>               | Polyclonal                  |
| <b>Preservative</b>            | 0.09% Sodium Azide          |
| <b>Isotype</b>                 | IgG                         |
| <b>Purity</b>                  | Immunogen affinity purified |
| <b>Buffer</b>                  | TBS and 0.1% BSA            |
| <b>Target Molecular Weight</b> | 118 kDa                     |

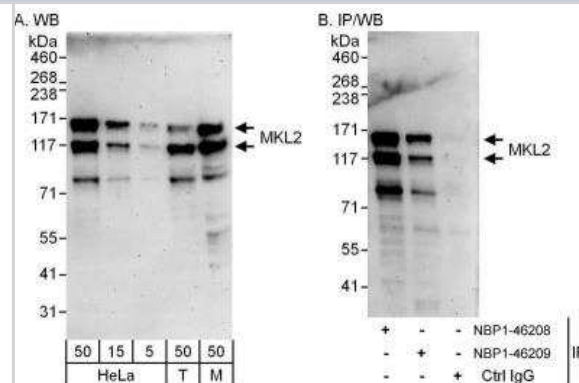
| <b>Product Description</b> |  |
|----------------------------|--|
| <b>Description</b>         | Novus Biologicals Rabbit MKL2 Antibody (NBP1-46209) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-MKL2 Antibody: Cited in 5 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>                | Rabbit   |
| <b>Gene ID</b>             | 57496  |
| <b>Gene Symbol</b>         | MRTFB  |
| <b>Species</b>             | Human, Mouse, Monkey   |
| <b>Reactivity Notes</b>    | Monkey reactivity reported in scientific literature (PMID:31801086).   |
| <b>Immunogen</b>           | The immunogen for this product maps to a region between residue 1038 and 1088 of human Megakaryoblastic Leukemia 2 using the numbering given in entry NP_054767.3 (GeneID 57496).  |

| <b>Product Application Details</b> |  |
|------------------------------------|--|
| <b>Applications</b>                | Western Blot, Immunohistochemistry-Paraffin, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation  |
| <b>Recommended Dilutions</b>       | Western Blot 1:2000-1:10000, Immunohistochemistry 1:200 -1:1000, Immunocytochemistry/ Immunofluorescence Reactivity reported in (PMID: 28592291)., Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:200-1:1000, Immunoblotting Reactivity reported in (PMID: 28592291). |
| <b>Application Notes</b>           | Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.  |

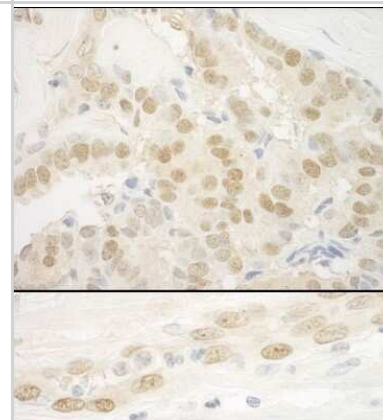


## Images

**Western Blot: MKL2 Antibody [NBP1-46209]** - Samples: Whole cell lysate from HeLa (5, 15 and 50 ug for WB; 1 mg for IP, 20% of IP loaded), 293T (T; 50 ug), and mouse NIH3T3 (M; 50 ug) cells. Antibodies: Affinity purified rabbit anti-MKL2 antibody NBP1-46209 used for WB at 0.04 ug/ml (A) and 1 ug/ml (B) and used for IP at 3 ug/mg lysate. MKL2 was also immunoprecipitated by rabbit anti-MKL2 antibody NBP1-46208, which recognizes an upstream epitope. Detection: Chemiluminescence with exposure times of 10 seconds (A and B).



**Immunohistochemistry-Paraffin: MKL2 Antibody [NBP1-46209]** - Section of human prostate carcinoma and linitis plastica stomach cancer. Antibody: Affinity purified rabbit anti-MKL2 used at a dilution of 1:200 (1ug/ml) and 1:1,000 (0.2ug/ml). Detection: DAB



## Publications

Soundararajan A, Wang T, Sundararajan R et al. Multiomics analysis reveals the mechanical stress-dependent changes in trabecular meshwork cytoskeletal-extracellular matrix interactions *Frontiers in Cell and Developmental Biology* 2022-09-13 [PMID: 36176278] (Immunoblotting, Immunocytochemistry/ Immunofluorescence, Human)

Ariza A, Funahashi Y, Kozawa S, Omar Faruk M et Al. Dynamic subcellular localization and transcription activity of the SRF cofactor MKL2 in the striatum are regulated by MAPK *J Neurochem* 2021-01-15 [PMID: 33449379]

Heib T, Hermanns HM, Manukjan G et al. RhoA/Cdc42 signaling drives cytoplasmic maturation but not endomitosis in megakaryocytes *Cell reports* 2021-05-11 [PMID: 33979620] (WB, Mouse)

Funahashi Y, Ariza A, Emi R, et al. Phosphorylation of Npas4 by MAPK Regulates Reward-Related Gene Expression and Behaviors *Cell Rep* 2019-12-03 [PMID: 31801086] (WB, Monkey, Human)

Seifert A, Posern G. Tightly controlled MRTF-A activity regulates epithelial differentiation during formation of mammary acini. *Breast Cancer Res.* 2017-06-07 [PMID: 28592291] (ICC/IF, IB, Human)



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### **Products Related to NBP1-46209**

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|               |   |
|---------------|---|
| HAF008        | Goat anti-Rabbit IgG Secondary Antibody [HRP]       |
| NB7160        | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891    | Rabbit IgG Isotype Control                          |
| NBP2-52970PEP | MKL2 Recombinant Protein Antigen                    |

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### **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.

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