

Product Datasheet

CaMKII beta Antibody - BSA Free NB120-22131

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB120-22131

CaMKII beta Antibody - BSA Free

| Product Information | |
|----------------------|--|
| Unit Size | 0.1 ml |
| Concentration | This product is unpurified. The exact concentration of antibody is not quantifiable. |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Polyclonal |
| Preservative | 0.025% Sodium Azide |
| Isotype | IgG |
| Purity | Unpurified |
| Buffer | Whole antisera with 50% Glycerol |

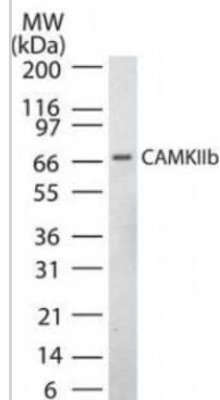
| Product Description | |
|--------------------------------|---|
| Description | Novus Biologicals Rabbit CaMKII beta Antibody - BSA Free (NB120-22131) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-CaMKII beta Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 816 |
| Gene Symbol | CAMK2B |
| Species | Human, Mouse, Rat |
| Specificity/Sensitivity | Human CAMKII beta GenBank no. GENE ID: 816 CAMK2B is a 664 amino acid protein. However, several isoforms of varying amino acid sizes have been described for CAMKII beta. Researchers are encouraged to utilize the sequence information used for immunogen (VRRGSGTPEAEAPRQ) to gain additional information about these isoforms and various molecular weights which may be detected by western blot analysis. |
| Immunogen | This antibody was developed against a synthetic peptide corresponding to amino acids 499-513 (VRRGSGTPEAEAPRQ) of human CAMKII beta. |

| Product Application Details | |
|------------------------------|---|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry |
| Recommended Dilutions | Western Blot, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin reported in scientific literature (PMID 20708685) |

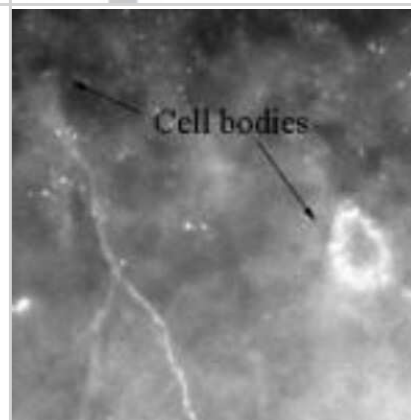


Images

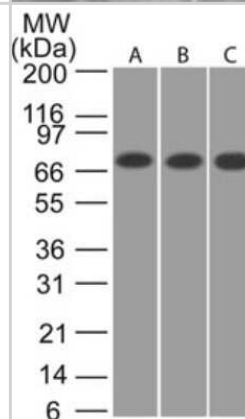
Western Blot: CaMKII beta Antibody [NB120-22131] - Analysis of CAMKIIb in rat brain lysate using NB120-22131 at 1:2000.



Immunocytochemistry/Immunofluorescence: CaMKII beta Antibody [NB120-22131] - Staining of CAMKIIb using NB120-22131 in rat hippocampal neurons at a dilution of 1:100, note that staining is rather weak.



Western Blot: CaMKII beta Antibody [NB120-22131] - Analysis of CAMKII beta in A) human, B) mouse and C) rat brain lysate using CAMKII beta antibody at 1:2000.



Publications

Lai KC, Chueh FS, Ma YS et al. Phenethyl isothiocyanate and irinotecan synergistically induce cell apoptosis in colon cancer HCT 116 cells in vitro *Environmental toxicology* 2023-10-04 [PMID: 37792803]

Han MH, Lin C, Meng S, Wang X. Proteomics analysis reveals overlapping functions of clustered protocadherins. *Mol Cell Proteomics*. 2010-01-01 [PMID: 19843561] (WB, Mouse)

Details:

WB: mouse brain membrane protein extracts (Figs 1, 6), total mouse brain lysates (Fig S2).

Fazi B, Biancolella M, Mehdawy B et al. Characterization of gene expression induced by RTN-1C in human neuroblastoma cells and in mouse brain. *Neurobiol Dis*. 2010-12-01 [PMID: 20708685] (WB, IHC-P, Mouse)

Details:

WB: mouse brain; IHC (P): mouse brain. Note: data described but not shown.



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Products Related to NB120-22131

| | |
|-------------|---|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

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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