

Product Datasheet

Rat Brain Whole Tissue Lysate (Post-Natal Whole) NBP3-05287

Unit Size: 200 ug

Store at -70C. Avoid freeze-thaw cycles.

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Updated 12/28/2023 v.20.1

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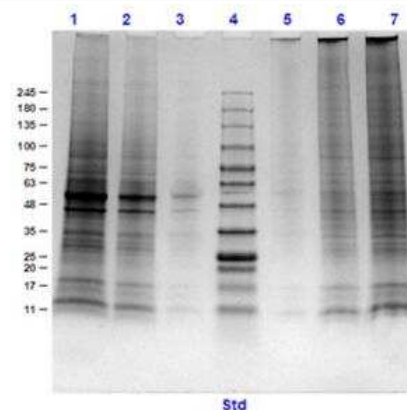


NBP3-05287**Rat Brain Whole Tissue Lysate (Post-Natal Whole)**

Product Information	
Unit Size	200 ug
Concentration	Please contact technical services for concentration.
Storage	Store at -70C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Multi-step
Buffer	1X RIPA Buffer with HALT Protease and Phosphatase Inhibitors
Product Description	
Description	Store vial at -70C or COLDER. For extended storage, aliquot contents to minimize freeze/thaw cycles.
Species	Rat
Preparation Method	Tissues were washed exhaustively with PBS to remove blood and other debris. A lysate was prepared by homogenizing the tissue and washing the cells in cold PBS. Washed cells were incubated at 4C in modified RIPA buffer containing 150 mM sodium chloride, 50 mM Tris Cl, pH 7.4, 1 mM EDTA, 1.0% NP-40, and 0.5% sodium deoxycholic acid the cells. Protein integrity is ensured using a cocktail of protease inhibitors with broad specificity for the inhibition of aspartic, cysteine, and serine proteases as well as aminopeptidases (0.1 mM AEBSF HCl, 0.08 uM Aprotinin, 5 uM Bestatin, 1.5 uM E-64, 2 uM Leupeptin Hemisulfate and 1 uM Pepstatin A). The following phosphatase inhibitors were also added: 1 mM NaF and 1 mM Na3VO4. Cell debris was removed by centrifugation and membrane filtration. Protein concentration was determined by Lowry assay using a commercially available kit. The protein concentration was adjusted to 1 mg/ml using RIPA buffer.
Lysate Type	Tissue
Lysate Life Stage	Post-Natal
Lysate Subcellular Fraction	Whole
Product Application Details	
Applications	Western Blot, ELISA, Immunoprecipitation, SDS-Page
Recommended Dilutions	Western Blot, ELISA, Immunoprecipitation, SDS-Page
Application Notes	This product has been tested by SDS-PAGE. Multi-purpose Rat brain, post natal, Whole Cell Lysate is especially prepared as positive control for multiple assays including western blot, immunoprecipitation (IP), capture ELISA or other assays requiring native protein sample. For separation by SDS-PAGE and subsequent western blot analysis, lysates should be diluted by user to desired concentration in SDS-PAGE buffer with 2-mercaptoethanol or dithiothreitol as the reducing agent and heated to 95C for 5 minutes. Sample is ready for use in immunoprecipitation and ELISA experiments, conditions should be optimized by the user. It is recommended to use TrueBlot IP reagents for immunoprecipitation experiments.

Images

SDS-Page: Rat Brain Whole Tissue Lysate (Post-Natal Whole) [NBP3-05287] - Lane 1: Rat Brain, Post Natal, WCL (10ug) Reduced. Lane 2: Rat Brain, Post Natal, WCL (5ug) Reduced. Lane 3: Rat Brain, Post Natal, WCL (1ug) Reduced. Lane 4: Opal pre-stained Molecular Weight Markers. Lane 5: Rat Brain, Post Natal, WCL (1ug) Non-Reduced. Lane 6: Rat Brain, Post Natal, WCL (5ug) Non-Reduced. Lane 7: Rat Brain, Post Natal, WCL (10ug) Non-Reduced. Coomassie Blue stained. Observed and Expected MW: Various bands between ~11-245 kDa.





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Products Related to NBP3-05287

NBP2-77565	Brain Tissue Slides (Adult Normal)- Frozen
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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Lysates are guaranteed for 6 months from date of receipt.

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