Product Datasheet

Rat Brain Whole Tissue Lysate (Adult Whole)
NBP3-11700

Unit Size: 500 ug

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

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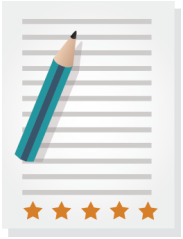

NBP3-11700

Rat Brain Whole Tissue Lysate (Adult Whole)

Product Information	
Unit Size	500 ug
Concentration	Please contact technical services for concentration.
Storage	Store at -70C. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	Multi-step
Buffer	1X SDS-PAGE Sample Buffer (62.5 mM Tris HCl, 2% SDS, 10% Glycerol and 0.005% bromophenol blue, pH 6.8)

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, 0.5% sodium deoxycholic acid and 0.1% SDS to lyse 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 2 mg/ml and then an equal volume of 2X SDS-PAGE sample buffer was added.
Lysate Type	Tissue
Lysate Life Stage	Adult
Lysate Subcellular Fraction	Whole

Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot
Application Notes	Ready-to-use lysates are especially prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Lysates are prepared in denaturing buffer WITHOUT dissociating agents (i.e. no 2-mercaptoethanol or dithiothreitol has been added). Heat lysate to 95C for 5 minutes and rapidly cool. If dissociating conditions are desired, add reducing agent prior to heating. The recommended loading volume per lane is 10-20 ul depending on the size format of your gel.

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Products Related to NBP3-11700

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

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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