

Product Datasheet

Kir6.1 Overexpression Lysate NBL1-12174

Unit Size: 0.1 mg

Store at -80C. Avoid freeze-thaw cycles.

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NBL1-12174**Kir6.1 Overexpression Lysate**

Product Information	
Unit Size	0.1 mg
Concentration	The exact concentration of the protein of interest cannot be determined for overexpression lysates. Please contact technical support for more information.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Buffer	RIPA buffer
Target Molecular Weight	47.8 kDa
Product Description	
Description	Kir6.1 Transient Overexpression Lysate Expression Host: HEK293T Plasmid: RC200340 Accession#: NM_004982 Protein Tag: C-MYC/DDK You will receive 1 vial of lysate (100ug), 1 vial of empty vector negative control (100ug), and 1 vial of 2xSDS sample buffer (250ul). Each vial of cell lysate contains 100ug of total protein (at 1 mg/ml). The 2xSDS Sample Buffer consists of 4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromophenol blue, 100mM DTT.
Gene ID	3764
Gene Symbol	KCNJ8
Species	Human
Notes	HEK293T cells in 10-cm dishes were transiently transfected with a non-lipid polymer transfection reagent specially designed and manufactured for large volume DNA transfection. Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4, and then centrifuged to clarify the lysate. Protein concentration was measured by BCA protein assay kit.
Lysate Type	Overexpression
Product Application Details	
Applications	Western Blot
Recommended Dilutions	Western Blot

Application Notes

This product is intended for use as a positive control in Western Blot. Overexpression of the target protein was confirmed using an antibody to DDK (FLAG) epitope tag ([NBP1-71705](#)) present on the protein construct.

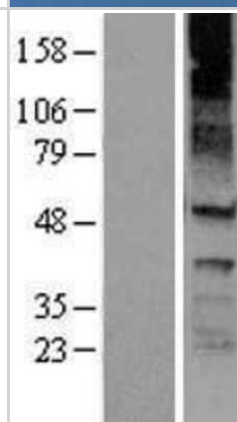
Each vial of cell lysate contains 100ug of total protein which should be sufficient for 20-50 reactions. Depending on over-expression level, antibody affinity and detection system, some lysates can go as low as 0.1 ug per load. We recommend starting with 5ug of cell lysate. Add an equal amount of cell lysate and 2X SDS Sample buffer and boil the SDS samples for 10 minutes before loading.

Images

Western Blot: Kir6.1 Overexpression Lysate (Native) [NBL1-12174] - 1. Negative control, 2. HEK cells overexpressing Kir6.1. 15ug lysate each was loaded onto a 10% SDS-polyacrylamide gel and transferred to a PVDF membrane, and incubated with an anti-Kir6.1 antibody. Image from verified customer review.



Western Blot: Kir6.1 Overexpression Lysate (Adult Normal) [NBL1-12174] Left-Empty vector transfected control cell lysate (HEK293 cell lysate); Right -Over-expression Lysate for Kir6.1.

**Publications**

Castro L, Noelia M, Vidal-Jorge M et al. Kir6.2, the pore-forming subunit of ATP-sensitive K⁺ channels, is overexpressed in human post-traumatic brain contusions J. Neurotrauma 2018-05-08 [PMID: 29737232] (WB, Human)



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Products Related to NBL1-12174

NBP1-87710PEP	Kir6.1 Recombinant Protein Antigen
MAB25031	CFTR Antibody (24-1) [Unconjugated] - C-terminus
NBP2-59324	Kir6.1 Antibody (S366-60)
MAB1417	Insulin Antibody (182410) [Unconjugated]

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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