

Product Datasheet

Claudin-2 Overexpression Lysate

NBL1-09243

Unit Size: 0.1 mg

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

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NBL1-09243**Claudin-2 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	24.4 kDa

Product Description	
Description	Claudin-2 Transient Overexpression Lysate Expression Host: HEK293T Plasmid: RC204199 Accession#: NM_020384 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	9075
Gene Symbol	CLDN2
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, Microarray
Recommended Dilutions	Western Blot, Microarray



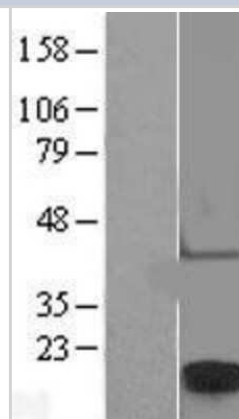
Application Notes

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: Claudin 2 Overexpression Lysate (Adult Normal) [NBL1-09243] Left-Empty vector transfected control cell lysate (HEK293 cell lysate); Right -Over-expression Lysate for Claudin 2.

**Publications**

da Cruz Silva LL, de Oliveira WRP, Pereira NV et al. Claudin expression profile in flat wart and cutaneous squamous cell carcinoma in epidermodysplasia verruciformis Sci Rep 2020-06-09 [PMID: 32518268] (MiAr, Human)



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Products Related to NBL1-09243

H00009075-Q01-10ug	Recombinant Human Claudin-2 GST (N-Term) Protein
236-EG-200	EGF [Unconjugated]
NBP2-92140-0.1ml	Claudin-2 Antibody - Azide and BSA Free
210-TA-005	TNF-alpha [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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