

Product Datasheet

HERV Antibody - BSA Free NB100-93579

Unit Size: 0.1 mg

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

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NB100-93579

HERV Antibody - BSA Free

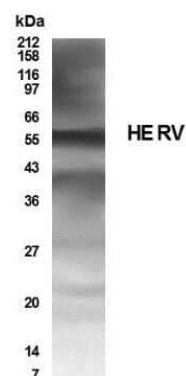
Product Information	
Unit Size	0.1 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	59.9 kDa

Product Description	
Host	Rabbit
Gene ID	30816
Gene Symbol	ERVW-1
Species	Human
Specificity/Sensitivity	Human Endogenous Retroviruses (HERVs), a class of multiple-sclerosis-associated retroviruses
Immunogen	Synthetic peptide corresponding to residues 42-50 [QRPGNIDAPC] of the HERV protein.

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, In vitro assay, Block/Neutralize
Recommended Dilutions	Western Blot 1:250-1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, In vitro assay, Block/Neutralize
Application Notes	This antibody is useful for Western Blot. Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID 24635849). Use in In vitro, Immunohistochemistry-Frozen and blocking/neutralizing reported in scientific literature (PMID 26154387) The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Western Blot: HERV Antibody [NB100-93579] - WB detection of HERV in human placenta lysate with NB100-93579 antibody at a dilution of 1:250



Publications

Pal D, Patel M, Boulet F et al. H4K16ac activates the transcription of transposable elements and contributes to their cis-regulatory function *Nature Structural & Molecular Biology* 2023-07-01 [PMID: 37308596] (Western Blot, Block/Neutralize)

Colson A, Depoix CL, Lambert I et al. Specific HIF-2? (Hypoxia-Inducible Factor-2) Inhibitor PT2385 Mitigates Placental Dysfunction In Vitro and in a Rat Model of Preeclampsia (RUPP) Hypertension (Dallas, Tex. : 1979) 2023-05-01 [PMID: 36876500] (WB, Human)

Frese S, Ruebner M, Suhr F et al. Long-Term Endurance Exercise in Humans Stimulates Cell Fusion of Myoblasts along with Fusogenic Endogenous Retroviral Genes In Vivo *PLoS ONE*. 2015-07-09 [PMID: 26154387] (B/N, IHC-Fr, In vitro, Human)

Details:

HERV / Syncytin-1 antibody was used at 1:200 dilution for IHC staining of human muscle cryosections and normal human placental control tissues (third trimester) were employed as control for the staining evaluation (Fig 5). Moreover, the antibody was used for in-vitro blocking/neutralization experiments involving cultured primary human myoblasts (0.5 - 1.0 ug/ml concentration; data in Fig 7, S1).

Buslei R, Strissel PL, Henke C et al. Activation and regulation of endogenous retroviral genes in the human pituitary gland and related endocrine tumors. *Neuropathol. Appl. Neurobiol.* 2014-03-17 [PMID: 24635849] (IHC-P, Human)

Details:

IHC: Normal pituitary adenohypophysis and pituitary adenomas, Figs 1,2; WB: primary cultures of pituitary adenomas, Fig 5A.





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Products Related to NB100-93579

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00030816-Q01-10ug	Recombinant Human HERV GST (N-Term) Protein

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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