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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB10499 - Goat Anti-ERV3 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: endogenous retroviral sequence 3, endogenous retroviral sequence 3 (includes zinc finger protein H-plk/HPF9), envelope polyprotein, ERV-3 envelope protein, ERV-R, HERV-R, H-PLK, ERV3

Official Symbol: ERV3-1

Accession Number(s): NP_001007254.2

Human GeneID(s): [2086](#)

Immunogen

Peptide with sequence C-PQDNFTLTASS, from the internal region of the protein sequence according to NP_001007254.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: This product has been successfully used in WB on Human: Nahas MR et al, Br J Haematol. 2019 May;185(4):679-690. PMID: 30828801.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 3.75µg/ml. This product has been successfully used in IHC on Human: Frese S et al, PLoS One. 2015 Jul 8;10(7). PMID: 26154387.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific References

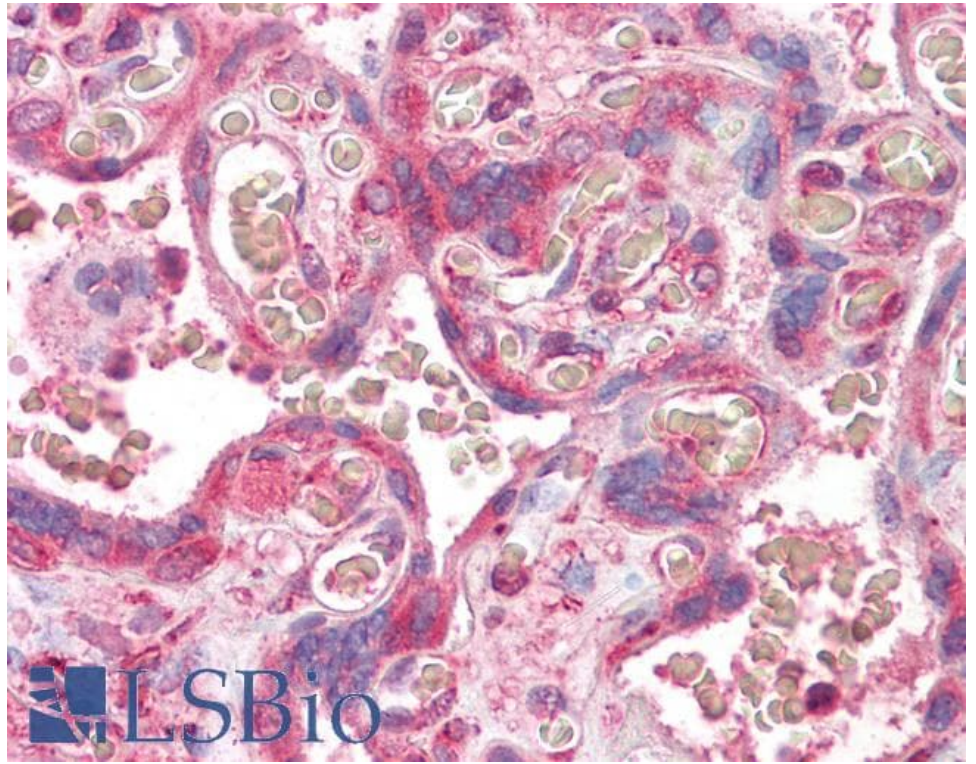
This antibody has been successfully used in Western blot on Human:

Nahas MR, Stroopinsky D, Rosenblatt J, Cole L, Pyzer AR, Anastasiadou E, Sergeeva A, Ephraim A, Washington A, Orr S, McMasters M, Weinstock M, Jain S, Leaf RK, Ghiasuddin H, Rahimian M, Liegel J, Molldrem JJ, Slack F, Kufe D, Avigan D Hypomethylating agent alters the immune microenvironment in acute myeloid leukaemia (AML) and enhances the immunogenicity of a dendritic cell/AML vaccine Br J Haematol. 2019 May;185(4):679-690. PMID: 30828801

This antibody has been successfully used in IHC on Human:

Frese S, Ruebner M, Suhr F, Konou TM, Tappe KA, Toigo M, Jung HH, Henke C, Steigleder R, Strissel PL, Huebner H, Beckmann MW, van der Keylen P, Schoser B, Schiffer T, Frese L, Bloch W, Strick R. Long-Term Endurance Exercise in Humans Stimulates Cell Fusion of Myoblasts along with Fusogenic Endogenous Retroviral Genes In Vivo. PLoS One. 2015 Jul 8;10(7).

PMID: 26154387



EB10499 (3.75µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.