

## UK Office

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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

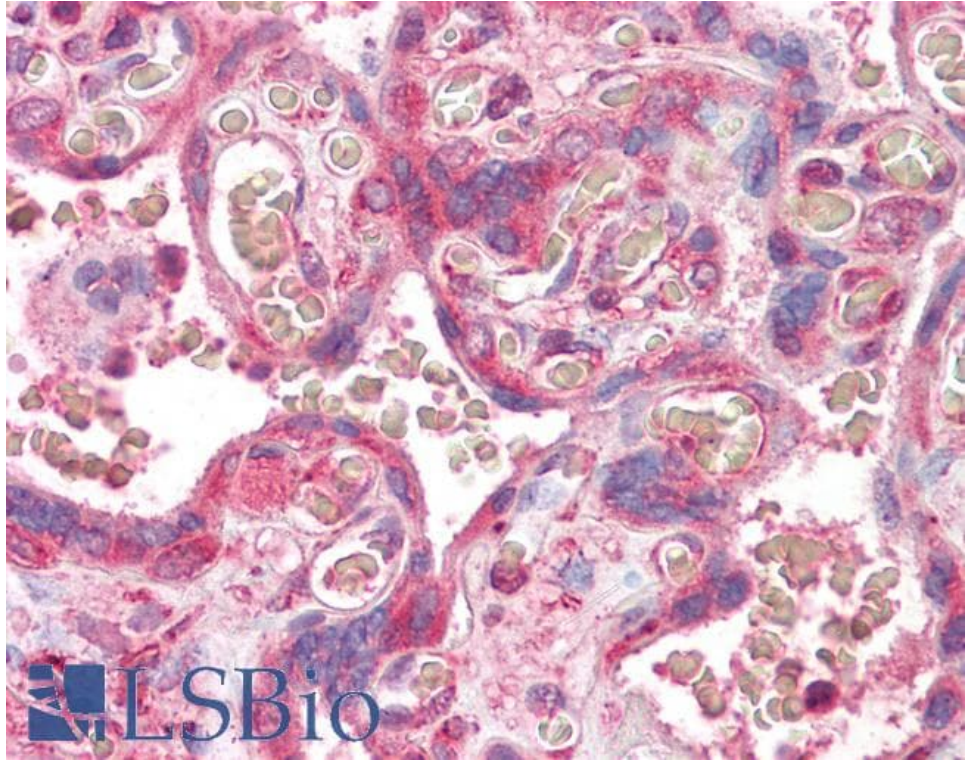
**This antibody has been successfully used in Western blot on Human:**

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.