Product Datasheet

EGR1 Antibody - BSA Free
NBP1-78775

Unit Size: 100 ul

Store at 4C. Do not freeze.

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NBP1-78775

EGR1 Antibody - BSA Free

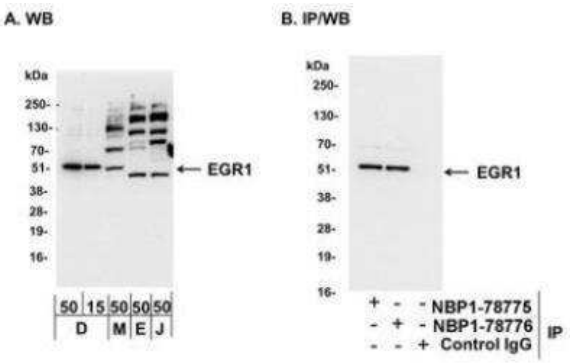
Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	56 kDa

Product Description	
Description	Novus Biologicals Rabbit EGR1 Antibody - BSA Free (NBP1-78775) is a polyclonal antibody validated for use in WB, IP and ChIP. Anti-EGR1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	1958
Gene Symbol	EGR1
Species	Human, Mouse
Immunogen	The immunogen for this product maps to a region between residue 1 and 50 of mouse Early Growth Response Protein 1 using the numbering given in entry NP_031939.1 (GeneID 13653).

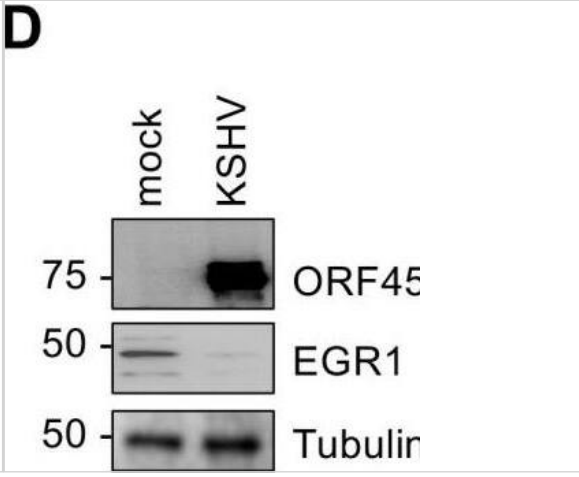
Product Application Details	
Applications	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:1000-1:5000, Immunoprecipitation 2-10 ug/mg lysate, Chromatin Immunoprecipitation (ChIP)
Application Notes	Use in chromatin immunoprecipitation reported in scientific literature (PMID: 30846562). Western blot of lysates performed using standard western blot reagents and 4-20% SDS-PAGE.

Images

Western Blot: EGR1 Antibody [NBP1-78775] - Whole cell lysate from mouse bone marrow dendritic (D; 50 and 15 mcg for WB; 1 mg for IP, 20% of IP loaded), NIH3T3 (M; 50 mcg), human erythroleukemia (E; 50 mcg), and Jurkat (J; 50 mcg) cells. Antibodies: Affinity purified rabbit anti-EGR1 antibody used for WB at 0.4 mcg/ml (A) and 1 mcg/ml (B) and used for IP at 6 mcg/mg lysate. EGR1 was also immunoprecipitated by rabbit anti-EGR1 antibody NBP1-78776 which recognizes a disparate epitope.



Comparison of host genes regulated by vIRFs with genes dysregulated upon KSHV infection in oral epithelial cells. (A) Venn diagrams showing the common and unique host genes that are regulated by the lenti-vIRFs versus during KSHV infection of HGEP cells. (B) Gene ontology analysis of host genes whose expression is regulated by both vIRF expression and KSHV infection. (C) RT-qPCR analysis of select vIRF1-regulated host genes in HGEP cells following KSHV infection at 24 hpi. Student's t tests were performed between the mock and KSHV-infected HGEP samples. The statistical significance is indicated as * $p \leq 0.05$ (samples of $n = 3$). (D) Immunoblot detection of a viral protein (ORF45) and a vIRF1-regulated host factor in mock and KSHV-infected HGEP cells at 24 hpi. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/38932139), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Seung Jin Jang, Natalie Atyeo, Mario Mietzsch, Min Y. Chae, Robert McKenna, Zsolt Toth, Bernadett Papp, Thomas Stamminger Genome-Wide Transcriptional Roles of KSHV Viral Interferon Regulatory Factors in Oral Epithelial Cells Viruses 2024-05-25 [PMID: 38932139]

Mohtar O, Ozdemir C, Roy D et al. Egr1 mediates the effect of insulin on leptin transcription in adipocytes J. Biol. Chem. 2019-03-07 [PMID: 30846562] (Chemotaxis, Mouse)

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Products Related to NBP1-78775

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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