

International Office

Everest Biotech Ltd

Vector Laboratories, Inc. 6737 Mowry Ave Newark, CA 94560 United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

Research Use Only. Not for diagnostic or therapeutic use.

EB07538 - Goat Anti-MBD2 (isoform 1) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: MBD2, methyl-CpG binding domain protein 2, DKFZp586O0821,

DMTase, NY-CO-41
Official Symbol: MBD2

Accession Number(s): NP_003918.1

Human GeneID(s): 8932

Non-Human GenelD(s): 17191 (mouse)

Important Comments: This antibody is expected to resognize isoform 1 (NP_003918.1)

only.

Immunogen

Peptide with sequence C-RNDPLNQNKGKPDLN, from the internal region of the protein sequence according to NP_003918.1.

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 1:64000.

Western blot: Approx 48-50kDa band observed in lysates of cell line Jurkat (calculated MW of 43.3kDa according to NP_003918.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Tan et al, Mol Cell Biol. 2006 Oct;26(19):7224-35.; PMID: 16980624). Recommended concentration: 0.3-1μg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB on

Human: 33283408 and 20523938.

IHC: Paraffin embedded Human Colon, Adrenal Gland and Skin. Recommended concentration: 2.5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog

Specific References

This antibody has been successfully used in WB on Human:

Cornelia G. Spruijt et al.

Cross-linking mass spectrometry reveals the structural topology of peripheral NuRD subunits relative to the core complex

FEBS Journal (2021) Volume 288, Issue 10 May 2021, Pages 3231-3245.

doi:10.1111/febs.15650 PMID: 33283408

This antibody has been successfully used in WB on Human:

Spruijt CG, Bartels SJ, Brinkman AB, Tjeertes JV, Poser I, Stunnenberg HG, Vermeulen M.

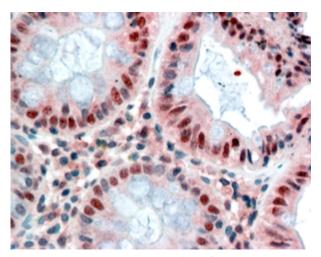
CDK2AP1/DOC-1 is a bona fide subunit of the Mi-2/NuRD complex.

Mol Biosyst. 2010 Sep;6(9):1700-6.

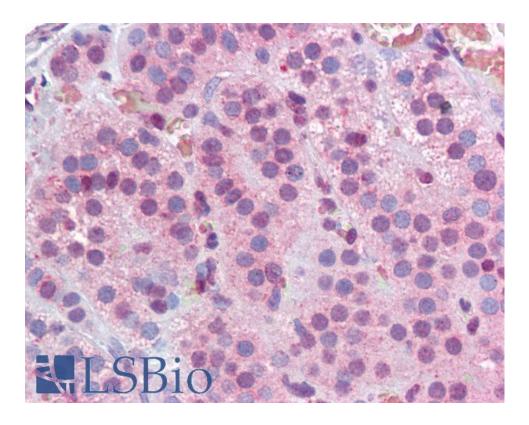
PMID: 20523938

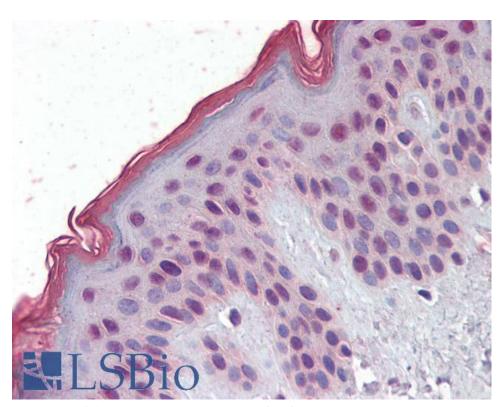
250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa 15kDa

 $EB07538 \ (0.3 \mu g/ml) \ staining \ of \ Jurkat \ cell \ lysate \ (35 \mu g \ protein \ in \ RIPA \ buffer). \ Detected \ by \ chemilumine scence.$



 $EB07538\ (2.5\mu g/ml)\ staining\ of\ paraffin\ embedded\ Human\ Colon.\ Steamed\ antigen\ retrieval\ with\ citrate\ buffer\ pH\ 6,\ AP-staining.$





EB07538 (2.5 μ g/ml) staining of paraffin embedded Human Skin. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.