

Epigenetic Readers



IMPROVE YOUR EPIGENETIC RESEARCH LANDSCAPE

EPIDGENETIC READERS

Bromodomains (BRD)

Tudor Domains (TDRD)

MBD Domains

Chromodomains Antibodies

Epigenetic reader domains operate at the interface of translating histone marks. They recognize the histone code written in acetyl and methyl marks and work in concert with the erasers and writer enzymes to control transcriptional activity. BioVision's reader domains line of products encompasses key reader categories including Bromodomains, Tudor domains and MBD domains.

Bromodomains (BRDs)

The bromodomain (BRD) is the sole protein domain known to recognize acetyl-lysine residues on proteins. The best known members of this family belong to the BET subfamily of proteins. Dysfunction of BRD proteins has been linked to diseases such as human squamous cell carcinoma and other forms of cancer. Inhibitors of BET have shown therapeutic effects in multiple models of hematological malignancies as well as solid tumors.

Antibodies

Product Name	Cat. No.	Size
BRD2 Antibody	6281	100 µg
BRD2 Blocking Peptide	6281BP	50 µg
BRD2 polyclonal antibody	6839	50 µl
BRD3 Antibody	6282	100 µg
BRD3 Blocking Peptide	6282BP	50 µg
BRD3-BD1 Antibody	6665	100 µg
BRD3-BD2 Antibody	6662	100 µg
BRD4 Antibody	6644	100 µg
BRD4 Antibody	6283	100 µg
BRD4 Antibody	6639	100 µg
BRD4 Blocking Peptide	6283BP	50 µg
BRD8 Antibody	3738	100 µg
BRD8 Antibody	3506	100 µg
BRD8 Blocking Peptide	3506BP	50 µg
BRDT Antibody	6642	100 µg

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Antibodies

Product Name	Cat. No.	Size
BRDT Antibody	6643	100 µg
EGLN1 Antibody	6151	100 µg
MeCP2 Blocking Peptide	3199BP	50 µg
PCAF Antibody	6675	30 µl, 100 µl
SMARCA4 Antibody	6156	100 µg

Biochemicals

Product Name	Cat. No.	Size
Bromodomain Inhibitor, (+)-JQ1	2070	1 mg, 5 mg
EZSolution™ (+)-JQ1	2091	1 mg
PFI-1	2203	1 mg, 5 mg
I-BET151	2220	1 mg, 5 mg
(-)-JQ1	2384	1 mg
I-BET762	2628	1 mg, 5 mg
OTX015	2651	1 mg, 5 mg
Bromosporine	2652	1 mg, 5 mg
MS436	2680	5 mg, 25 mg
PFI-3	2895	5 mg, 25 mg
CPI-203	9404	1 mg, 5 mg
I-CBP112	9405	1 mg, 5 mg
GSK-2801	9553	5 mg, 25 mg
SGC-CBP30	9554	5 mg, 25 mg
OF-1	9592	5 mg, 25 mg
CPI-0610	B1201	5 mg, 25 mg
PFI-4	B2330	5 mg, 25 mg
NI-57	B2854	1 mg, 5 mg
I-BRD9	B2857	5 mg, 25 mg

Recombinant Proteins

Product Name	Cat. No.	Size
BPTF bromodomain (2796-2907 aa) (GST-tagged), Human recombinant	7662	20 µg, 100 µg
BRD1 bromodomain (556-688 aa) (His-Tag), human recombinant	7405	100 µg
BRD2 bromodomain (1-455 aa) (His-Tag), human recombinant	7406	100 µg
BRD3 bromodomain (1-416 aa) (His-Tag), human recombinant	7407	100 µg
BRD3-Bromodomain1 (29-145 aa) (His-Tagged) human recombinant	7256	20 µg, 100 µg, 1 mg
BRD3-Bromodomain2 (306-417 aa) (His-Tagged) human recombinant	7257	20 µg, 100 µg, 1 mg
BRD4 bromodomains 1 and 2 (49-460 aa) (GST-tagged), Human recombinant	7651	20 µg, 100 µg
Bromodomain Testis-specific Protein (BrdT), human recombinant	7641	20 µg, 100 µg, 1 mg
Bromodomain Testis-specific Protein (BrdT, domain 257-382 aa), human recombinant	7642	20 µg, 100 µg, 1 mg
Bromodomain-containing Protein 4 (Brd4, domain 342-460 aa), human recombinant	7644	20 µg, 100 µg, 1 mg
Bromodomain-containing Protein 4 (Brd4, domain 49-170aa), human recombinant	7643	20 µg, 100 µg, 1 mg
CREB Binding Protein bromodomain (1081-1197 aa) (GST-tagged), Human Recombinant	7659	20 µg, 100 µg
PCAF, mouse recombinant	7556	10 µg
TAF1 bromodomain 1 (1371-1496 aa) (GST-tagged), Human recombinant	7660	20 µg, 100 µg

Chromodomains

The interpretation of the posttranslational information conveyed in the epigenetic language or code requires a third class of proteins called epigenetic “readers”. Chromodomains are protein domains made of hydrophobic amino acids interacting specifically with methylated lysine residues, resulting in either activation or silencing of gene expression. PHD domains bind to methylated H3 leading to gene activation.

Antibodies

Product Name	Cat. No.	Size
Chd1 polyclonal antibody	6859	25 µg

MBT Domains

The Malignant Brain Tumor (MBT) Domains belong to a family of methylated lysine-recognizing transcriptional repressors and binds to mono- and di-methylated lysines on H3 and H4 tails thereby regulating transcription.

Antibodies

Product Name	Cat. No.	Size
L3MBTL1 polyclonal antibody	6857	25 µg

Biochemicals

Product Name	Cat. No.	Size
UNC 1215	2252	1 mg, 5 mg
UNC-669	2620	5 mg, 25 mg

Tudor Domains (TDRDs)

Tudor domain proteins function as molecular adaptors, binding methylated arginine or lysine residues on their substrates to promote physical interactions and the assembly of macromolecular complexes. Along with chromatin modifications, these proteins are also involved in DNA damage responses.

Antibodies

Product Name	Cat. No.	Size
JMJD2A Antibody	6108	50 µg
JMJD6 Antibody	6109	50 µg
TDRD12-BD2 Antibody	6664	100 µg
TDRD4 Antibody	6674	30 µl, 100 µl

Biochemicals

Product Name	Cat. No.	Size
Chd1 polyclonal antibody	6859	25 µg

Recombinant Proteins

Product Name	Cat. No.	Size
SMN Tudor Domain (1472-1613 aa) (GST-tagged), Human recombinant	7676	20 µg, 50 µg
TDRD12-BD2 (908-999 aa) (His-Tagged), human recombinant	7254	20 µg, 100 µg, 1 mg
Tudor domain-containing protein 4 (hTDRD4, domain 30-139aa), human recombinant	7251	20 µg, 100 µg, 1 mg

Related Products

Category	Product Type
Eraser Enzymes	HDACs, HDMs, HIFs, PTPs, SIRTs & many more
Writer Enzymes	DNMTs, HATs, PARPs, PRMTs, PKMTs & many more