

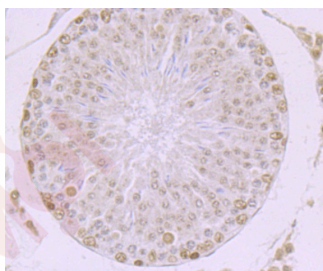
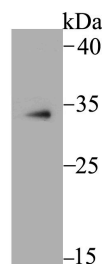
Anti-MBD3 Antibody (80286)

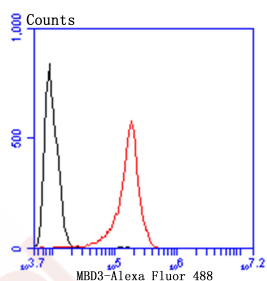
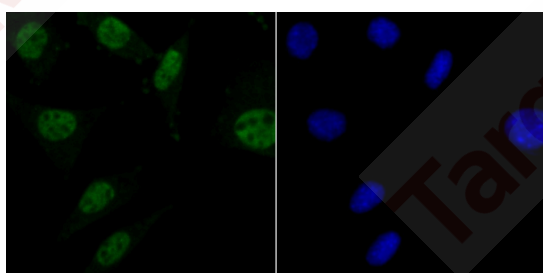
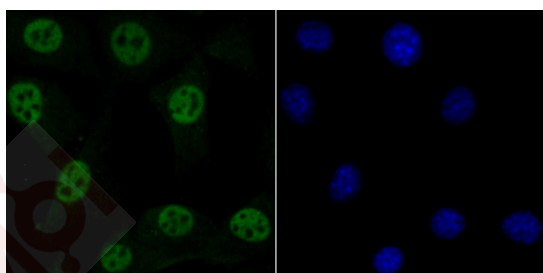
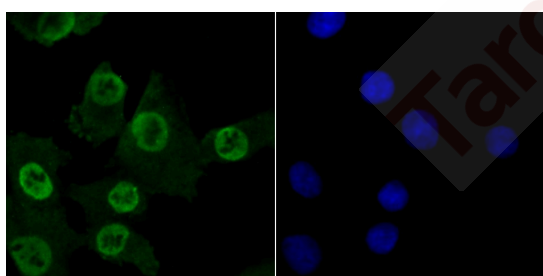
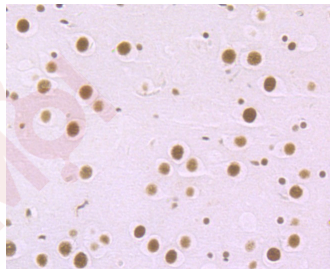
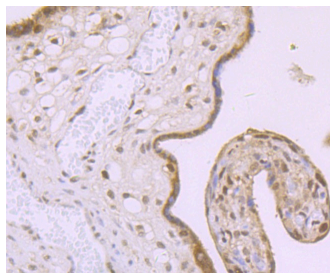
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 33 kDa.
Clone:	80286
Purification:	ProA affinity purified

Applications

1. Western blot analysis of MBD3 on U937 cell lysate using anti-MBD3 antibody at 1/500 dilution.
 2. Immunohistochemical analysis of paraffin-embedded rat testis tissue using anti-MBD3 antibody. Counter stained with hematoxylin.
 3. Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-MBD3 antibody. Counter stained with hematoxylin.
 4. Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-MBD3 antibody. Counter stained with hematoxylin.
- Verified Activity:
5. ICC staining MBD3 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 6. ICC staining MBD3 in NIH-3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 7. ICC staining MBD3 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
 8. Flow cytometric analysis of SH-SY-5Y cells with MBD3 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.





Application: FCM, ICC, IF, IHC, IP, WB

Recommended WB: 1:500; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein

Uniprot ID: O95983

Synonyms: MBD3: methyl CpG binding domain protein 3;AI181826;Methyl CpG binding protein MBD3;MBD3;Methyl-CpG-binding protein MBD3;AU019209;Methyl CpG binding domain protein 3;Mbd3;MBD3_HUMAN;Methyl-CpG-binding domain protein 3

Research Background

Methylation of DNA contributes to the regulation of gene transcription in both mammalian and invertebrate systems. DNA methylation predominates on cytosine residues that are present in dinucleotide motifs consisting of a 5' cytosine followed by guanosine (CpG), and it requires the enzymatic activity of DNA methyltransferase, which results in transcriptional repression of the methylated gene. Several proteins have been identified that associate with the methyl-CpG sites, and they include methyl-CpG binding protein-1 (MBD1), MBD2, MBD3, MBD4 and MeCP2. Expression of the MBD proteins is highest in somatic tissues.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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