bsm-52920R

[Primary Antibody]

BIOSS ANTIBODIES

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DATASHEET

Host: Rabbit Isotype: IgG

Clonality: Recombinant CloneNo.: 3C3

GenelD: 1812 SWISS: P21728

DRD1 Recombinant Rabbit mAb

Target: DRD1

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: This gene encodes the D1 subtype of the dopamine receptor. The

D1 subtype is the most abundant dopamine receptor in the central nervous system. This G-protein coupled receptor stimulates adenylyl cyclase and activates cyclic AMP-dependent protein kinases. D1 receptors regulate neuronal growth and development, mediate some behavioral responses, and modulate dopamine receptor D2-mediated events. Alternate transcription initiation sites result in two transcript variants of this gene. [provided by

RefSeq, Jul 2008]

Applications: WB (1:500-1000)

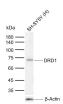
IHC-P (1:50-200) IHC-F (1:50-200) IF (1:50-200) ICC/IF (1:50-200)

Reactivity: Human, Mouse, Rat

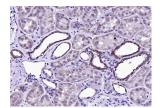
Predicted 50 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Human SH-SY5Y cell lysates Primary: Anti-DRD1 (bsm-52920R) at 1/200 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 50 kDa Observed band size: 70 kDa



Paraformaldehyde-fixed, paraffin embedded (Human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Dopamine Receptor D1) Monoclonal Antibody, Unconjugated (bsm-52920R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

- SELECTED CITATIONS -

• [IF=17.694] Carpenter, Marco D.. et al. Cell-type specific profiling of histone post-translational modifications in the adult mouse striatum. NAT COMMUN. 2022 Dec;13(1):1-12 IHC; Mouse. 36513652