

DRD1 Antibody

Rabbit mAb

Catalog # AP91192

Product Information

Application	WB
Primary Accession	P21728
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	D(1A) dopamine receptor; DADR; Dopamine D1 receptor; DR D1AI; DRD1; DRD1A;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	49293

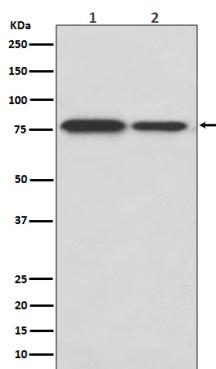
Additional Information

Dilution	WB 1:500~1:2000
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human DRD1
Description	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Protein Information

Name	DRD1
Function	Dopamine receptor whose activity is mediated by G proteins which activate adenylyl cyclase. Forms heterotetramers with DRD3 to potentiate beta-arrestin recruitment and mediate locomotor activity.
Cellular Location	Cell membrane {ECO:0000250 UniProtKB:P18901}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P18901}. Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P18901}; Multi-pass membrane protein {ECO:0000250 UniProtKB:P18901}. Cell projection, cilium membrane; Multi-pass membrane protein. Cell projection, dendrite {ECO:0000250 UniProtKB:Q61616}. Cell projection, dendritic spine {ECO:0000250 UniProtKB:Q61616}. Note=Transport from the endoplasmic reticulum to the cell surface is regulated by interaction with DNAJC14 {ECO:0000250 UniProtKB:P18901}
Tissue Location	Detected in caudate, nucleus accumbens and in the olfactory tubercle.

Images



Western blot analysis of DRD1 expression in (1) SH-SY5Y cell lysate; (2) Mouse kidney lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.